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# NATIONAL OCEANOGRAPHIC FLEET OPERATING SCHEDULES

## FOR 1983

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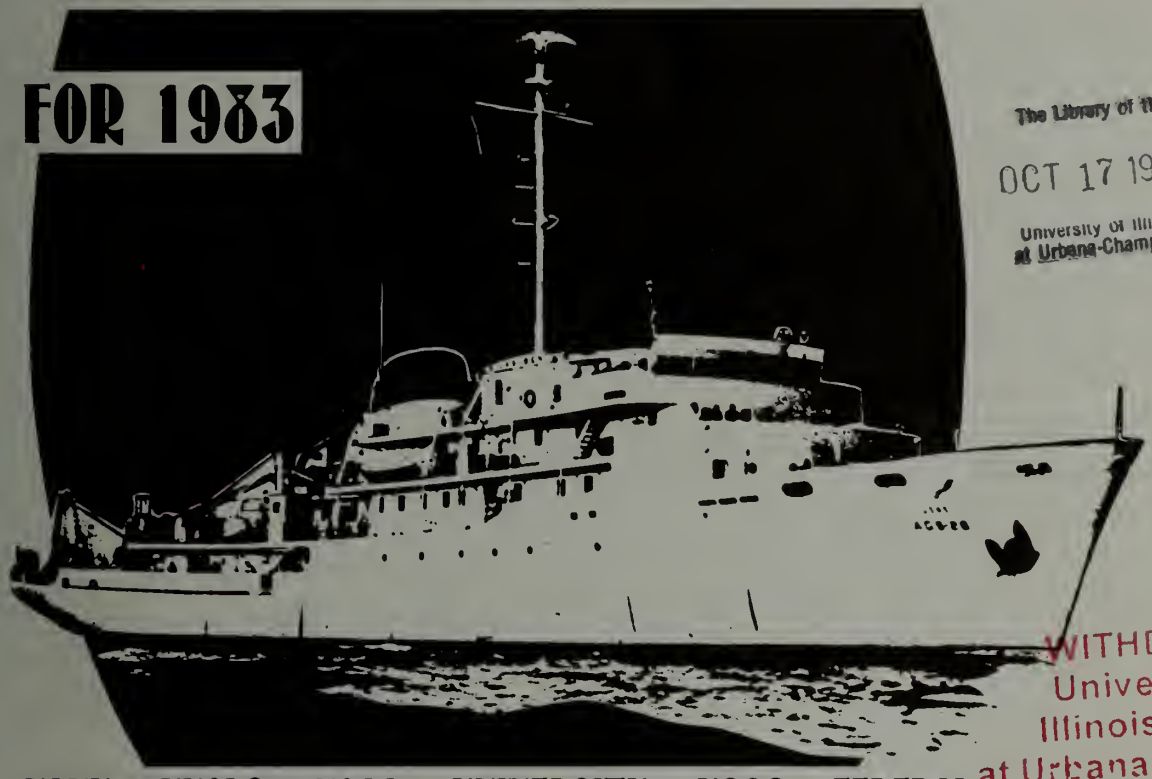

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NSTL STATION, BAY ST. LOUIS, MS 39522

UNIVERSITY OF ILLINOIS-URBANA
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PREPARED FOR
COMMANDER,
NAVAL OCEANOGRAPHY COMMAND
NSTL STATION, BAY ST. LOUIS, MS 39529

# FOREWORD

The Naval Oceanographic Office (NAVOCEANO) is pleased to begin publishing the annual operating schedules for the national oceanographic fleet with this 1983 edition. Distribution is made to those individuals and activities involved in planning, scheduling and coordinating U. S. oceanographic ship operations.

As ship operating expenses increase, efficiency of operations becomes a key ingredient for an effective national oceanographic program. To this end, every effort must be made to maximize the use of existing oceanographic platforms by "piggybacking" projects, exchanging oceanographic data and coordinating schedules. This publication serves as one means of assisting sponsoring activities and user organizations in effective management of national oceanographic assets.

In light of this effort and recognizing that many ocean capable vessels specifically configured for oceanographic research and hydrographic surveying exist in the private sector (representing a definite national asset), this edition includes some schedules of vessels operated by commercial concerns. An invitation is extended to other commercial concerns who operate specifically configured, deep-ocean capable, oceanographic or hydrographic vessels to include their schedules in future editions.

This publication has been principally developed from the latest data contained in NAVOCEANO's computerized Research Vehicle Reference Service (RVRS), a subset of the Oceanographic Management Information System (OMIS). The RVRS was established to provide a centralized source of information on ship characteristics, latest schedules, last known positions and points of contact for the ship operators. Participation in this reference system by ship operators, potential users and by activities otherwise concerned with oceanographic ship operations is invited. For the latest information on schedule changes or modifications of vessel capabilities and related questions, please address correspondence to Commanding Officer, Naval Oceanographic Office (Attention: OMIS Staff), NSTL Station, Bay St. Louis, MS 39522 or call Commercial (601) 688-5123/Autovon 485-5123/FTS 494-5123.

The Commander, Naval Oceanography Command remains the Navy point of contact for ship operations which involve the use of undersea sonic emitters, dragged devices or explosive charges. Because of the inherent danger from such operations to submarines, all non-Navy ship operators are required to provide at least two weeks advance notice so that survey areas may be cleared. Please address correspondence on this matter to Commander, Naval Oceanography Command (Attention: N321), NSTL Station, Bay St. Louis, MS 39529 or call Commercial (601) 688-5007/Autovon 485-5007/FTS 494-5007.

C. H. BASSETT

SECURITY CLASSIFICATION OF THIS PAGE *(When Data Entered)*

# REPORT DOCUMENTATION PAGE

READ INSTRUCTIONS BEFORE COMPLETING FORM

1. REPORT NUMBER: RP-34(83)

2. GOVT ACCESSION NO.:

3. RECIPIENT'S CATALOG NUMBER:

4. TITLE *(and Subtitle)*: National Oceanographic Fleet Operating Schedules for 1983

5. TYPE OF REPORT & PERIOD COVERED:

6. PERFORMING ORG. REPORT NUMBER:

7. AUTHOR*(s)*:

8. CONTRACT OR GRANT NUMBER*(s)*:

9. PERFORMING ORGANIZATION NAME AND ADDRESS:
U. S. Naval Oceanographic Office
NSTL Station
Bay St. Louis, MS 39522

10. PROGRAM ELEMENT, PROJECT, TASK AREA & WORK UNIT NUMBERS:

11. CONTROLLING OFFICE NAME AND ADDRESS:

12. REPORT DATE: January 1983

13. NUMBER OF PAGES:

14. MONITORING AGENCY NAME & ADDRESS*(if different from Controlling Office)*:

15. SECURITY CLASS. *(of this report)*: UNCLASSIFIED

15a. DECLASSIFICATION/DOWNGRADING SCHEDULE:

16. DISTRIBUTION STATEMENT *(of this Report)*:
Approved for public release; distribution unlimited

17. DISTRIBUTION STATEMENT *(of the abstract entered in Block 20, if different from Report)*:

18. SUPPLEMENTARY NOTES:

19. KEY WORDS *(Continue on reverse side if necessary and identify by block number)*:
Oceanography
Oceanographic Ships
Schedules

20. ABSTRACT *(Continue on reverse side if necessary and identify by block number)*:
This publication provides the national oceanographic fleet operating schedules for 1983. The data were derived from the latest inputs into the Naval Oceanographic Office's Research Vehicle Reference Service, a subset of the Oceanographic Management Information System.

DD FORM 1 JAN 73 1473 EDITION OF 1 NOV 65 IS OBSOLETE
S/N 0102-LF-014-6601

SECURITY CLASSIFICATION OF THIS PAGE *(When Data Entered)*

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LINWOOD HOLTON
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ONRUST
ORION
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## INTRODUCTION

This publication presents the 1983 operating schedules for the national oceanographic fleet. Schedules are provided for 70 ships which operate under various academic, governmental or commerical organizations. Included along with each ship schedule is information on ship characteristics, engineering/deck equipment and a point of contact. For convenience, quarterly ship operational summaries are provided which allow the user to quickly determine which ships are operating in a particular ocean area of interest during a particular time frame.

The information presented in this publication was principally derived from the latest data contained in the computer-based Research Vehicle Reference Service (RVRS), a subset of the Oceanographic Management Information System (OMIS) which is resident at the Naval Oceanographic Office.

## RESEARCH VEHICLE REFERENCE SYSTEM OVERVIEW

In 1978, OMIS was initiated at the Naval Oceanographic Office to provide essential information on oceanographic activities within Navy. The first areas considered for automation were oceanographic research and survey vessels which led to the RVRS subset.

The RVRS was at first envisioned to provide information on only Federally funded and operated vessels. However, with the limited number of platforms available to conduct oceanographic projects and increasing operating costs, the inclusion into RVRS of as many ships as possible was considered essential. Principal users were thought to be those involved in assessing the national fleet's capabilities or in determining the availablility of a ship for a future cruise requirement. In this regard, the latest ship locations and desired ship missions were necessary.

Concentration has been placed on identifying and incorporating oceanographic ships over 65 feet in length. Physical characteristics are tabulated in RVRS by recognizing approximately 100 different factors and are categorized by deck/engineering equipment, dimensions, administrative details, points-of-contact for the physical plant and the routine on-board electronics suite. The purpose is to give a comprehensive description of a ship's physical capabilities for planning purposes. A point-of-contact is included for direct inquiry regarding a particular platform.

Each ship's operating schedule is maintained in the system. Original schedules for each year, as well as schedule changes, are forwarded to the OMIS staff from appropriate sources. Port-to-port cruise information is subsequently displayed (as shown in the following schedules in this publication) with the cruise objective, program, principal scientist, sponsoring organization and projected days at sea. Also, the date of update and the operating area are indicated. The smaller oceanographic vessels that make cruises of relatively short duration and distance from home port usually have a general statement reflecting their operations in lieu of daily schedules. Schedules which have "open" periods (e.g., time which has not been obligated to a particular project, transit or repair) are signified so that they can be collectively sorted and analyzed.

Current mission, status, location and time are updated daily into RVRS for most of the larger vessels in the Federal fleet. Course and speed are included when available. Information is obtained from synoptic weather and bathythermograph observation messages, by phone or is entered directly by the shore-based ship operators.

## RESEARCH VEHICLE REFERENCE SYSTEM USAGE

RVRS has grown in both content and user participation. Eighteen organizations currently have remote terminal access to the data base.

There are a number of small, inexpensive remote computer terminals available today which can be used to interface RVRS through a standard desk telephone. The terminal must be the dial-up, asynchronous type and be teletype compatible. A 300 baud line capability is required along with a standard RS232 interface configuration.

RVRS was developed to simplify user access to the retrieval program; the operator selects the desired information from a basic question set which includes information on ship schedules within a certain ocean area or within a specific time span, ships in an area based on last reported position, points-of-contact and physical characteristics.

Special requirements for information may require analysis of the RVRS data base in a manner different from the standard questions. For example, the question "Identify all ships over 150 feet in length which have satellite navigation capability" would require an input from an RVRS Subject Matter Specialist. To receive this special support, address correspondence to the Commanding Officer, U. S. Naval Oceanographic Office (Attention: OMIS Staff), NSTL Station, Bay St. Louis, MS 39522 or call Commercial (601) 688-5123/Autovon 485-5123/FTS 494-5123. In addition to answering standard queries from those who do not have a remote terminal available, the RVRS Subject Matter Specialist is also a source for the Research Vehicle Reference Service User's Guide to the interactive data retrieval program.

JANUARY - MARCH 1983
AREAS OF OPERATION

| | NO.WEST PACIFIC | NO.EAST PACIFIC | SOUTH PACIFIC | NORTH ATLANT. | SOUTH ATLANT. | MEDITER. SEA | INDIAN OCEAN |
|---|---|---|---|---|---|---|---|
| ACANIA | | * | | | | | |
| ALBATROSS IV | | | | * | | | |
| ALPHA HELIX | | * | | | | | |
| ANTELOPE | | | | * | | | |
| ATLANTIS II | | | | | | | |
| BLUE FIN | | | | * | | | |
| CALANUS | | | | * | | | |
| CAPE FLORIDA | | | | * | | | |
| CAPE HATTERAS | | | | * | | | |
| CAPE HENLOPEN | | | | * | | | |
| CAYUSE | | * | | | | | |
| CHAPMAN | | * | | | | | |
| COLUMBUS ISELIN | | | | * | | | |
| DAVID STARR JORDAN | | * | | | | | |
| DAVIDSON | | * | | | | | |
| DELAWARE II | | | | * | | | |
| DISCOVERER | | * | | | | | |
| ELLEN B. SCRIPPS | | * | | | | | |
| ENDEAVOR | | | | * | | | |
| ERLINE | | | | * | | | |
| FAIRWEATHER | | | | | | | |
| FERREL | | | | * | | | |
| FRED H. MOORE | | | | * | | | |
| GYRE | | | | * | | | |
| HECK | | | | * | | | |
| HERO | | | * | | * | | |
| HOH | | * | | | | | |
| IDA GREEN | | | | * | | | |
| JOHN N. COBB | | * | | | | | |
| JOHNSON | | | | * | | | |
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| LONGHORN | | | | * | | | |
| MCARTHUR | | * | | | | | |
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| MILLER FREEMAN | | * | | | | | |
| MOANA WAVE | | * | | | | | |
| MT. MITCHELL | | | | * | | | |
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| OREGON II | | | | * | | | |
| PEIRCE | | | | * | | | |
| RAINIER | | * | | | | | |
| RESEARCHER | | * | * | * | | | |
| RIDGELY WARFIELD | | | | * | | | |
| ROBERT D. CONRAD | | | | * | * | | |
| RUDE | | | | * | | | |
| SEA DIVER | | | | * | | | |
| SURVEYOR | | * | | | | | |
| THOMAS G. THOMPSON | | * | | | | | |
| THOMAS WASHINGTON | | * | * | | | | |
| TOWNSEND CROMWELL | | * | | | | | |
| USCGC EVERGREEN | | | | * | | | |
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| USNS SAMUEL P. LEE | | * | | | | | |
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APRIL - JUNE 1977
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| | NO. WEST PACIFIC | NO. EAST PACIFIC | SOUTH PACIFIC | NORTH ATLANT. | SOUTH ATLANT. | MEDITER. SEA | INDIAN OCEAN |
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JULY - SEPTEMBER 1987
AREAS OF OPERATION

| | NO.WEST PACIFIC | NO.EAST PACIFIC | SOUTH PACIFIC | NORTH ATLANT. | SOUTH ATLANT. | MEDITER. SEA | INDIAN OCEAN |
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| USNS SAMUEL F. LEE | | * | | | | | |
| USNS SILAS BENT | | * | | | | | |
| USNS WILKES | | | | | * | | |
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| WHITING | | | | * | | | |

OCTOBER - DECEMBER 1983
AREAS OF OPERATION

| | NO.WEST PACIFIC | NO.EAST PACIFIC | SOUTH PACIFIC | NORTH ATLANT. | SOUTH ATLANT. | MEDITER. SEA | INDIAN OCEAN |
|---|---|---|---|---|---|---|---|
| ACANIA | | | | | | | |
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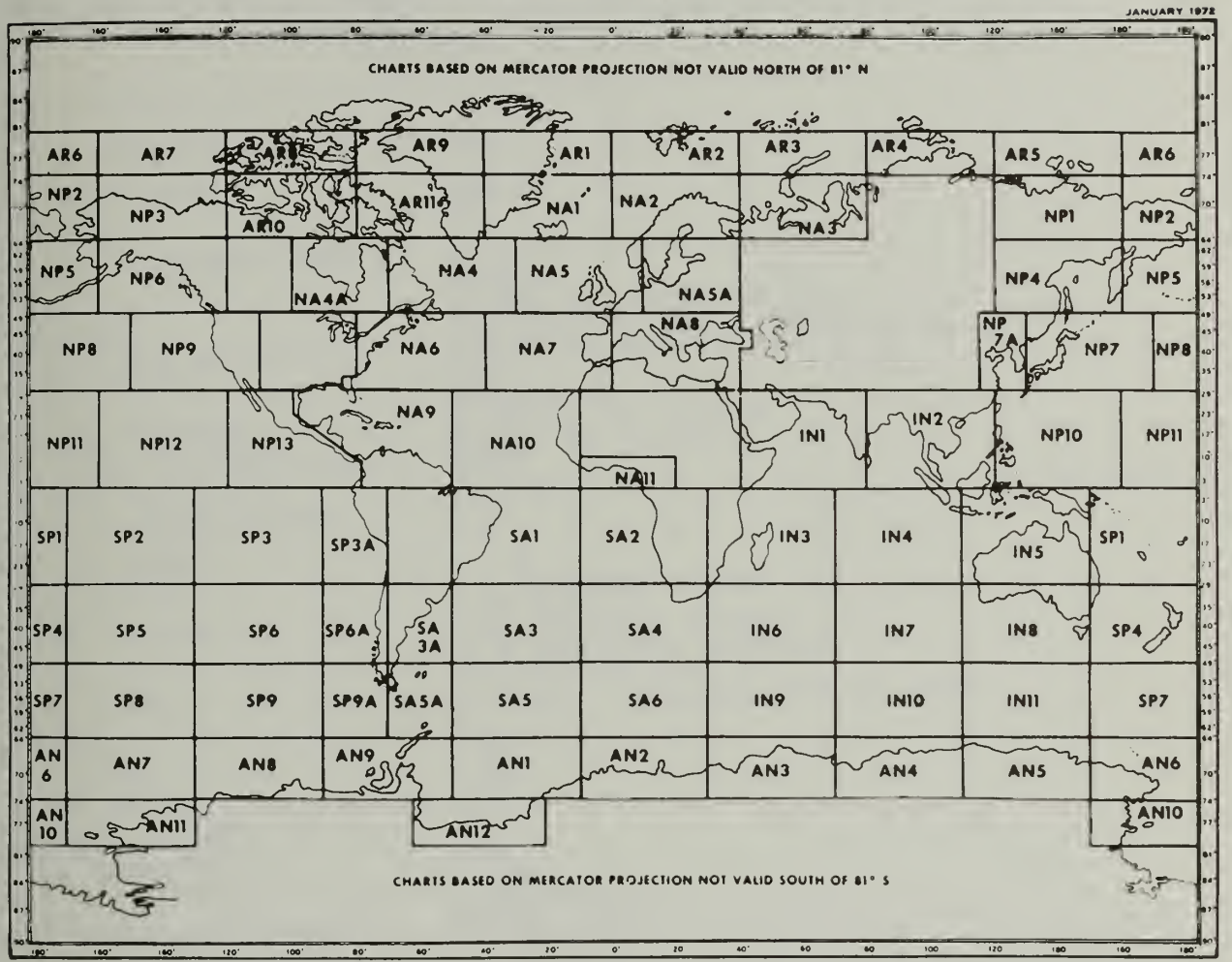
| ERLINE | | | | | | | |
| FAIRWEATHER | | | | | | | |
| FERREL | | | | | | | |
| FRED H. MOORE | | | | * | | | |
| GYRE | | | | * | | | |
| HECK | | | | | | | |
| HERO | | * | | | * | | |
| HOH | * | | | | | | |
| IRA GREEN | | | | * | | | |
| JOHN N. COBB | * | | | | | | |
| JOHNSON | * | | | * | | | |
| KANA KEOKI | * | * | | | | | |
| KNORR | | | | | * | | * |
| LONGHORN | | | | * | | | |
| MCARTHUR | | | | | | | |
| MELVILLE | | * | | | * | | |
| MILLER FREEMAN | | | | | | | |
| MOANA WAVE | * | | | | | | |
| MT. MITCHELL | | | | | | | |
| MURRE II | | | | | | | |
| NEW HORIZON | * | | | | | | |
| OCEANOGRAPHER | * | | | | | | |
| OCEANUS | | | | * | | | |
| ONAR | * | | | | | | |
| OREGON II | | | | | | | |
| PEIRCE | | | | * | | | |
| RAINIER | | | | | | | |
| RESEARCHER | | | | | | | |
| RIDGELY WARFIELD | | | | * | | | |
| ROBERT D. CONRAD | | | | * | | * | |
| RUDE | | | | | | | |
| SEA DIVER | | | | * | | | |
| SURVEYOR | | | | | | | |
| THOMAS G. THOMPSON | * | | | | | | |
| THOMAS WASHINGTON | | | | | | | |
| TOWNSEND CROMWELL | | | | | | | |
| USCGC EVERGREEN | | | | * | | | |
| USNS BARTLETT | | | | | | | |
| USNS CHAUVENET | | | | | | | |
| USNS DE STEIGUER | | | | | | | |
| USNS HARKNESS | | | | | | | |
| USNS HAYES | | | | * | | | |
| USNS KANE | | | | | | | |
| USNS LYNCH | | | | | | | |
| USNS SAMUEL P. LEE | * | | | | | | |
| USNS SILAS BENT | | | | | | | |
| USNS WILKES | | | | | | | |
| VELERO IV | * | | | | | | |
| WECOMA | * | | | | | | |
| WESTWARD | | | | * | | | |
| WHITING | | | | | | | |

# STANDARD NAVY OCEAN AREA AND REGION INDEX LIMITS



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## ALPHA HELIX

### POINT OF CONTACT INFORMATION

| | |
|---|---|
| POC: | MS E R ¤DOLLY¤ DIETER |
| POC OFFICE: | MARINE SUPERINTENDENT |
| POC ORGANIZATION: | INSTITUTE OF MARINE SCIENCE |
| POC ADDRESS: | UNIVERSITY OF ALASKA BOX 617 |
| POC CITY/STATE: | SEWARD AK 99664 |
| FTS PREFIX: | 907 |
| COMMERCIAL AREA CODE: | 907 |
| PHONE: | 224-5261 |

### ADMINISTRATIVE DETAILS

| | |
|---|---|
| COMMON SHIP NAME: | HELIX |
| DESIGNATOR: | RV |
| CLASS: | - |
| CALL SIGN (INTERNATIONAL): | KLFK |
| FLEET: | UNOLS |
| SHIP TYPE: | OCEAN RESEARCH-GENERAL |
| SHIP OWNER: | NATIONAL SCIENCE FOUNDATION |
| CERTIFICATION AUTHORITY: | AMERICAN BUREAU OF SHIPPING |
| FLAG REGISTRY: | USA |
| HOME PORT: | SEWARD AK |
| TECHNICAL SPONSOR: | U UNIV. OF ALASKA |
| OPERATIONS CONTROL: | UNIV. OF ALASKA |
| CONTRACTUAL INFORMATION: | NONE |
| OPERATING COST/DAY: | 5.5/80 THOUSAND $'S |
| SCIENTIFIC COMPLEMENT: | 15 |
| NUMBER OFFICERS: | 3 |
| NUMBER IN CREW: | 6 |
| MAX SEA STATE: | 3 BEAUFORT SCALE |
| ENDURANCE: | 30 DAY(S) |
| LIMITING FACTOR: | FUEL-REFRIG STORES |
| BUILDER: | J M MARTINAC COMPANY |
| WHERE BUILT: | TACOMA WA USA |
| INITIAL COST: | 1.3/65 MILLION $'S IN YEAR |
| DUE DATE: | - |
| KEEL DATE: | '64 |
| LAUNCH DATE: | '65 |
| DELIVERY DATE: | '66 |
| COMMISSION DATE: | - |
| CONVERSION DATE: | - |
| LAST OVERHAUL: | '80 |
| MAINTENANCE CYCLE: | 1.0 YEARS |
| END OF LIFE: | 1991 |
| UPDATE OF INFORMATION: | 16 DEC 82 |

### SHIP DIMENSIONS

| | |
|---|---|
| LENGTH: | 132.8 FEET |
| MAX BEAM: | 31.0 FEET |
| HEIGHT: | - FEET |
| GROSS TONNAGE: | 287 |
| DISPLACEMENT: | 512 TONS |
| DRAUGHT: | 12.5 FEET |
| CRUISE SPEED: | 10.0 KNOTS |
| RANGE: | 7200 NAUTICAL MILES |
| MAX SPEED: | 12.0 KNOTS |
| MIN SPEED: | 1.0 KNOTS |

## ENGINEERING/DECK EQUIPMENT

| | |
|---|---|
| MAIN PROPULSION: | DIESEL GEARED |
| AUXILIARY PROPULSION: | BOW THRUSTER |
| NUMBER OF SHAFTS: | 1 |
| FUEL TYPE: | 1 DIESEL |
| BOW THRUSTER: | YES |
| ACTIVE RUDDER: | N |
| DYNAMIC POSITIONING: | N |
| ANTI-ROLL: | N |
| STABILIZER: | N |
| DEEP ANCHOR: | NONE FEET |
| BERTHING VAN DIMENSIONS: | NO |
| INSTRUMENT VAN DIMENSIONS: | NO |
| WET-LAB: | Y |
| DRY-LAB: | Y |
| AMMUNITION STORAGE: | N |
| HELO SUPPORT: | N |
| METEOROLOGICAL OBSERVATIONS: | SURFACE |
| UTILITY BOATS: | N |
| A, U, OR L FRAMES | |
| MAX HOIST CAPACITY: | 35000 POUNDS |
| NUMBER OF FRAMES: | 1 |
| CRANES OR BOOMS | |
| MAX HOIST CAPACITY: | 5000 POUNDS |
| NUMBER OF CRANES: | 1 |
| WINCHES: | |
| 01. MAJOR TYPE/USE: | HYDROGRAPHIC |
| SECONDARY TYPE/USE: | HYDROGRAPHIC |
| SLIP-RINGS: | Y |
| TYPE WIRE: | CONDUCTOR CABLE |
| WIRE LENGTH: | 6000 FEET |
| WIRE DIAMETER: | 0.187 INCHES |
| 02. MAJOR TYPE/USE: | DEEP SEA |
| SECONDARY TYPE/USE: | UNKNOWN |
| SLIP-RINGS: | N |
| TYPE WIRE: | WIRE ROPE |
| WIRE LENGTH: | 3000 FEET |
| WIRE DIAMETER: | 0.375 INCHES |

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## ELECTRONIC EQUIPMENT

| | |
|---|---|
| COMPUTERS: | NONE |
| FACSIMILE: | Y |
| ELECTROMAGNETIC LOG: | N |
| INERTIAL NAVIGATION: | N |
| RADAR (SURFACE SCAN): | Y |
| LORAN A: | N |
| LORAN C: | Y |
| OMEGA: | N |
| SATELLITE NAVIGATION: | Y |
| RADIO TELETYPE COMMUNICATION: | N |
| SINGLE SIDE BAND: | Y |
| VHF COMMUNICATIONS: | Y |
| STABLE TABLE: | N |
| NARROW BEAM: | Y |
| SEISMIC PROFILING: | N |
| SIDE SCAN: | N |
| SOUNDING SYSTEM (SHALLOW): | ROSS 800B, FURANO |
| SOUNDING SYSTEM (DEEP): | EDO |

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ALPHA HELIX LAST CHANGED 10 NOV 82

OPS SCHEDULE FOR PERIOD
01 JAN 83 THRU 31 DEC 83

| | | | |
|---|---|---|---|
| OCEANOGRAPHIC RESEARCH | ALEXANDER | ALASKA | |
| DEP: 14 FEB 83 SEWARD, AK | PRINCE WILLIAM SOUND | | |
| ARR: 18 FEB 83 SEWARD, AK | | | 4 |
| AREA INDEX: NP6 | | | |
| OCE 8214537 | HENRICHS | NSF | |
| DEP: 24 MAR 83 SEWARD, AK | OCE 8214537 RESURRECTION BAY | | |
| ARR: 25 MAR 83 SEWARD, AK | | | 1 |
| AREA INDEX: NP6 | | | |
| OCEANOGRAPHIC RESEARCH | ALEXANDER | ALASKA | |
| DEP: 28 MAR 83 SEWARD, AK | RESURRECTION BAY | | |
| ARR: 30 MAR 83 SEWARD, AK | | | 2 |
| AREA INDEX: NP6 | | | |
| OCE 8208306 | ROYER | NSF | |
| DEP: 02 APR 83 SEWARD, AK | OCE 8208306 SOUTHCOAST ALASKA | | |
| ARR: 12 APR 83 SEWARD, AK | | | 10 |
| AREA INDEX: NP6 | | | |
| OCE 8024058 | NIEBAUER | NSF | |
| DEP: 15 APR 83 SEWARD, AK | OCE 8024058 BERING ICE EDGE | | |
| ARR: 05 MAY 83 DUTCH HARBOR | | | 20 |
| AREA INDEX: NP6 NP5 | | | |
| OCEANOGRAPHIC RESEARCH | MUENCH(SAI) | NSF/ONR | |
| DEP: 06 MAY 83 DUTCH HARBOR | MIZEX | | |
| ARR: 13 MAY 83 SEWARD, AK | | | 7 |
| AREA INDEX: NP5 NP6 | | | |
| OCEANOGRAPHIC RESEARCH | MCROY | NSF/DPP | |
| DEP: 18 MAY 83 SEWARD, AK | ISHTAR (PROPOSED) | | |
| ARR: 21 JUN 83 NOME, AK | | | 34 |
| AREA INDEX: NP6 NP5 NP2 | | | |
| DPP 8121722 | OLIVER(MLML) | NSF/DPP | |
| DEP: 22 JUN 83 NOME, AK | DPP 8121722 BERING SEA | | |
| ARR: 12 JUL 83 DUTCH HARBOR, AK | | | 20 |
| AREA INDEX: NP2 NP5 | | | |
| DPP 8206036 | HUNT(UCI) | NSF/DPP | |
| DEP: 13 JUL 83 DUTCH HARBOR, AK | DPP 8206036 BERING SEA | | |
| ARR: 26 JUL 83 DUTCH HARBOR, AK | | | 13 |
| AREA INDEX: NP5 | | | |
| OCEANOGRAPHIC RESEARCH | DUENNEBIER(HIG) | NSF | |
| DEP: 27 JUL 83 DUTCH HARBOR, AK | ALEUT./SCHUMAGINS (PROPOSED) | | |
| ARR: 06 AUG 83 SEWARD, AK | | | 10 |
| AREA INDEX: NP5 NP6 | | | |
| OCE 8208306 | ROYER | NSF | |

```
DEP: 11 AUG 83 SEWARD, AK              OCE 8208306 SOUTHCOAST ALASKA
ARR: 17 AUG 83 SEWARD, AK                                              6
AREA INDEX: NP6
     .....................................
OCE 8200829                    FROELICH(FSU)          NSF

DEP: 23 AUG 83 SEWARD, AK              OCE 8200829 BERING SEA
ARR: 11 SEP 83 DUTCH HARBOR, AK                                       19
AREA INDEX: NP6   NP5
     .....................................
OCEANOGRAPHIC RESEARCH         MCROY                  NSF/DPP

DEP: 12 SEP 83 DUTCH HARBOR, AK    ISHTAR  (PROPOSED)
ARR: 21 OCT 83 DUTCH HARBOR, AK                                       39
AREA INDEX: NP5
     .....................................
OCEANOGRAPHIC RESEARCH         KELLEY                 NSF

DEP: 22 OCT 83 DUTCH HARBOR, AK    BERING/CHUKCHI (PROPOSED)
ARR: 05 NOV 83 SEWARD, AK                                             14
AREA INDEX: NP5   NP6
     .....................................
OCE 8208306                    ROYER                  NSF

DEP: 15 NOV 83 SEWARD, AK              OCE 8208306 SOUTHCOAST ALASKA
ARR: 21 NOV 83 SEWARD, AK                                              6
AREA INDEX: NP6
     .....................................
OCEANOGRAPHIC RESEARCH         ALEXANDER              ALASKA

DEP: 29 NOV 83 SEWARD, AK              PRINCE WILLIAM SOUND
ARR: 05 DEC 83 SEWARD, AK                                              6
AREA INDEX: NP6
**********************************************************************
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## CAPE HENLOPEN

### POINT OF CONTACT INFORMATION

| | |
|---|---|
| POC: | MR WADSWORTH OWEN |
| POC OFFICE: | DIRECTOR OF MARINE OPERATIONS |
| POC ORGANIZATION: | COLLEGE OF MARINE STUDIES |
| POC ADDRESS: | UNIVERSITY OF DELAWARE BOX 286 |
| POC CITY/STATE: | LEWES DE 19958 |
| FTS PREFIX: | 302 |
| COMMERCIAL AREA CODE: | 302 |
| PHONE: | 645-4320 |

### ADMINISTRATIVE DETAILS

| | |
|---|---|
| DESIGNATOR: | RV |
| CLASS: | CREW BOAT HULL |
| CALL SIGN (INTERNATIONAL): | - |
| FLEET: | UNOLS |
| SHIP TYPE: | OCEAN RESEARCH-OFFSHORE |
| SHIP OWNER: | UNIVERSITY OF DELAWARE |
| CERTIFICATION AUTHORITY: | UNINSPECTED, ABS A-1 |
| FLAG REGISTRY: | USA |
| HOME PORT: | LEWES DE |
| TECHNICAL SPONSOR: | UNIV. OF DELAWARE |
| OPERATIONS CONTROL: | UNIVERSITY OF DELAWARE |
| CONTRACTUAL INFORMATION: | AVAILABLE FOR OUTSIDE USE. CALL POINT-OF-CONTACT |
| OPERATING COST/DAY: | 3.94/83 THOUSAND $'S |
| SCIENTIFIC COMPLEMENT: | 12 |
| NUMBER OFFICERS: | 2 |
| NUMBER IN CREW: | 5 |
| MAX SEA STATE: | 4 BEAUFORT SCALE |
| ENDURANCE: | 14 DAY(S) |
| LIMITING FACTOR: | FUEL |
| BUILDER: | SWIFTSHIPS |
| WHERE BUILT: | MORGAN CITY, LA USA |
| INITIAL COST: | 1.2/75 MILLION $'S IN YEAR |
| DUE DATE: | - |
| KEEL DATE: | '74 |
| LAUNCH DATE: | '75 |
| DELIVERY DATE: | '76 |
| COMMISSION DATE: | '76 |
| CONVERSION DATE: | - |
| LAST OVERHAUL: | - |
| MAINTENANCE CYCLE: | 1.5 YEARS |
| END OF LIFE: | 2001 |
| UPDATE OF INFORMATION: | 15 DEC 82 |

### SHIP DIMENSIONS

| | |
|---|---|
| LENGTH: | 120.0 FEET |
| MAX BEAM: | 23.3 FEET |
| HEIGHT: | 48.0 FEET |
| GROSS TONNAGE: | 228 |
| DISPLACEMENT: | 165 TONS |
| DRAUGHT: | 9.3 FEET |
| CRUISE SPEED: | 12.5 KNOTS |
| RANGE: | 2368 NAUTICAL MILES |
| MAX SPEED: | 18.0 KNOTS |
| MIN SPEED: | 0.5 KNOTS |

ENGINEERING/DECK EQUIPMENT

| | |
|---|---|
| MAIN PROPULSION: | DIESEL GEARED |
| AUXILIARY PROPULSION: | NO |
| NUMBER OF SHAFTS: | 2 |
| FUEL TYPE: | 2 DIESEL |
| BOW THRUSTER: | NO |
| ACTIVE RUDDER: | N |
| DYNAMIC POSITIONING: | N |
| ANTI-ROLL: | N |
| STABILIZER: | Y |
| DEEP ANCHOR: | 250 FEET |
| BERTHING VAN DIMENSIONS: | NO |
| INSTRUMENT VAN DIMENSIONS: | 8X8X16 |
| WET-LAB: | Y |
| DRY-LAB: | Y |
| AMMUNITION STORAGE: | N |
| HELO SUPPORT: | N |
| METEOROLOGICAL OBSERVATIONS: | Y |

UTILITY BOATS:

1. 16 FOOT RUBBER INFLATABLE

A, U, OR L FRAMES

| | |
|---|---|
| MAX HOIST CAPACITY: | 12000 POUNDS |
| NUMBER OF FRAMES: | 4 |

CRANES OR BOOMS

| | |
|---|---|
| MAX HOIST CAPACITY: | 12500 POUNDS |
| NUMBER OF CRANES: | 1 |

WINCHES:

| | |
|---|---|
| 01. MAJOR TYPE/USE: | OCEANOGRAPHIC |
| SECONDARY TYPE/USE: | HYDROGRAPHIC |
| SLIP-RINGS: | 6 |
| TYPE WIRE: | CONDUCTOR CABLE |
| WIRE LENGTH: | 6560 FEET |
| WIRE DIAMETER: | 0.219 INCHES |
| SECONDARY WIRE LEN: | 6560 FEET |
| SECONDARY WIRE DIAM: | 0.219 INCHES |
| 02. MAJOR TYPE/USE: | TRAWL |
| SECONDARY TYPE/USE: | CORING |
| SLIP-RINGS: | N |
| TYPE WIRE: | WIRE ROPE |
| WIRE LENGTH: | 8200 FEET |
| WIRE DIAMETER: | 0.500 INCHES |
| SECONDARY WIRE LEN: | 8200 FEET |
| SECONDARY WIRE DIAM: | 0.500 INCHES |
| 03. MAJOR TYPE/USE: | ANCHOR |
| SECONDARY TYPE/USE: | UNKNOWN |
| SLIP-RINGS: | N |
| TYPE WIRE: | WIRE ROPE |
| WIRE LENGTH: | 1020 FEET |
| WIRE DIAMETER: | 0.750 INCHES |

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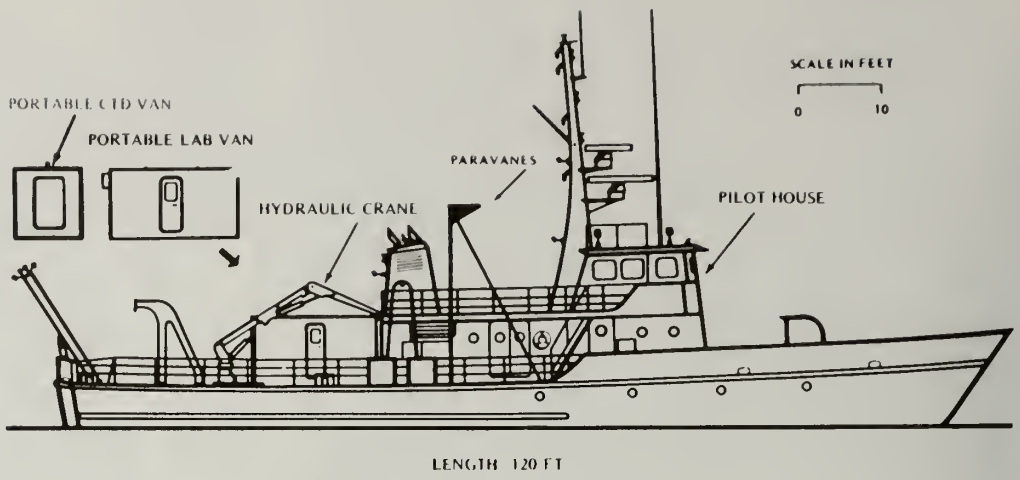
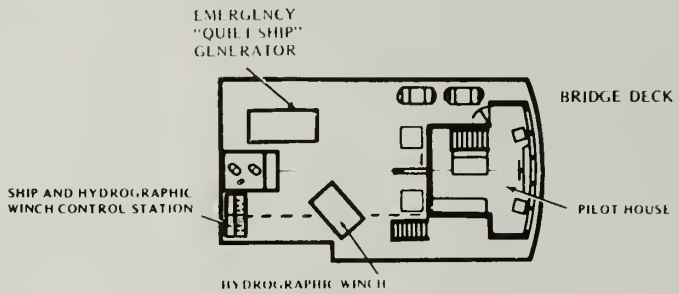
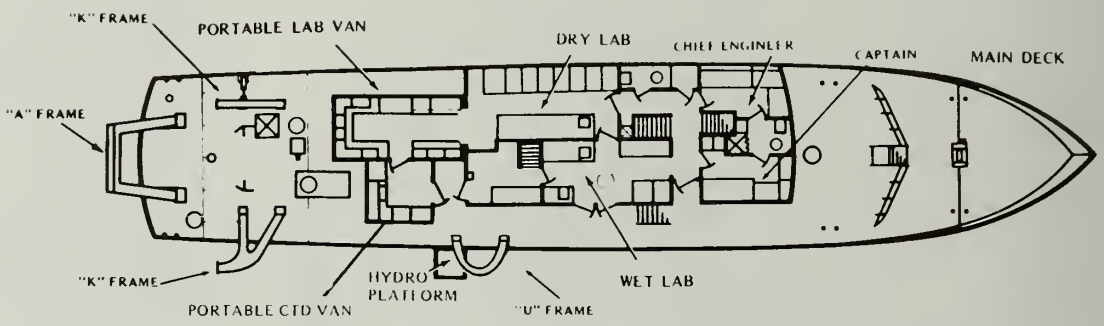
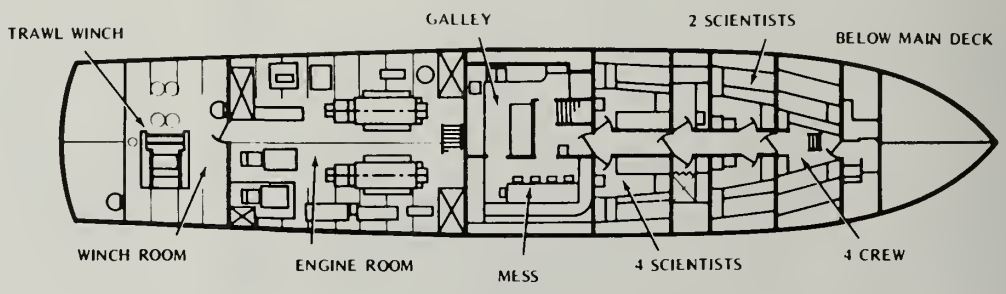
ELECTRONIC EQUIPMENT

| | |
|---|---|
| COMPUTERS: | TEKTRONIX 4052 |
| FACSIMILE: | N |
| ELECTROMAGNETIC LOG: | Y |
| INERTIAL NAVIGATION: | N |
| RADAR (SURFACE SCAN): | Y |
| LORAN A: | N |
| LORAN C: | Y |
| OMEGA: | N |
| SATELLITE NAVIGATION: | N |
| RADIO TELETYPE COMMUNICATION: | N |
| SINGLE SIDE BAND: | Y |
| VHF COMMUNICATIONS: | Y |
| STABLE TABLE: | N |
| NARROW BEAM: | N |
| SEISMIC PROFILING: | Y |
| SIDE SCAN: | N |
| SOUNDING SYSTEM (SHALLOW): | KONEL/BENMAR |
| SOUNDING SYSTEM (DEEP): | KONEL |


PORTABLE CTD VAN
PORTABLE LAB VAN
HYDRAULIC CRANE
PARAVANES
PILOT HOUSE
SCALE IN FEET
0
10
LENGTH 120 FT


EMERGENCY
"QUIET SHIP"
GENERATOR
BRIDGE DECK
SHIP AND HYDROGRAPHIC
WINCH CONTROL STATION
PILOT HOUSE
HYDROGRAPHIC WINCH


"K" FRAME
PORTABLE LAB VAN
DRY LAB
CHIEF ENGINEER
CAPTAIN
MAIN DECK
"A" FRAME
"K" FRAME
HYDRO
PLATFORM
WET LAB
PORTABLE CTD VAN
"U" FRAME


TRAWL WINCH
GALLEY
2 SCIENTISTS
BELOW MAIN DECK
WINCH ROOM
ENGINE ROOM
MESS
4 SCIENTISTS
4 CREW

**********

CAPE HENLOPEN LAST CHANGED 14 DEC 82

OPS SCHEDULE FOR PERIOD
01 JAN 83 THRU 31 DEC 83

OCEANOGRAPHIC RESEARCH SHARP DRBA/SG

DEP: 04 JAN 83 LEWES, DE U.S. EAST COAST WATERS
ARR: 06 JAN 83 LEWES, DE 2

AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH CHURCH NSF

DEP: 09 JAN 83 LEWES, DE U.S. EAST COAST WATERS
ARR: 11 JAN 83 LEWES, DE 2
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH NSF/NOAA/NMFS

DEP: 14 JAN 83 LEWES, DE U.S. EAST COAST WATERS
ARR: 30 JAN 83 LEWES, DE 16
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH SIPPICAN

DEP: 13 FEB 83 LEWES, DE U.S. EAST COAST WATERS
ARR: 19 FEB 83 LEWES, DE 6
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH J. SINGER SAI

DEP: 25 FEB 83 LEWES, DE
ARR: 28 FEB 83 LEWES, DE 3
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH CHURCH NSF

DEP: 11 MAR 83 LEWES, DE U.S. EAST COAST WATERS
ARR: 13 MAR 83 LEWES, DE 2
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH SHARP DRBA/SG

DEP: 14 MAR 83 LEWES, DE U.S. EAST COAST WATERS
ARR: 22 MAR 83 LEWES, DE 8
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH RAWSON BLM

DEP: 24 MAR 83 LEWES, DE U.S. EAST COAST WATERS
ARR: 31 MAR 83 LEWES, DE 7
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH NSF/NOAA/NMFS

DEP: 07 APR 83 LEWES, DE U.S. EAST COAST WATERS
ARR: 21 APR 83 LEWES, DE 14
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH WARSH NSF/NOAA

DEP: 23 APR 83 LEWES, DE U.S. EAST COAST WATERS
ARR: 02 MAY 83 LEWES, DE OPMP 9
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH TYLER NSF

DEP: 04 MAY 83 LEWES, DE — U.S. EAST COAST WATERS
ARR: 07 MAY 83 LEWES, DE — 3

AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH — CULBERSON — ONR

DEP: 10 MAY 83 LEWES, DE — U.S. EAST COAST WATERS
ARR: 11 MAY 83 LEWES, DE — 1
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH — SHARP — NSF

DEP: 18 MAY 83 LEWES, DE — U.S. EAST COAST WATERS
ARR: 20 MAY 83 LEWES, DE — 2
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH — WARSH — NOAA

DEP: 22 MAY 83 LEWES, DE — U.S. EAST COAST WATERS
ARR: 30 MAY 83 LEWES, DE — OPMP — 8
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH — RAWSON — BLM

DEP: 12 JUN 83 LEWES, DE — U.S. EAST COAST WATERS
ARR: 19 JUN 83 LEWES, DE — 7
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH — SIPPICAN

DEP: 02 JUL 83 LEWES, DE — U.S. EAST COAST WATERS
ARR: 08 JUL 83 LEWES, DE — 6
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH — WARSH — NOAA

DEP: 11 JUL 83 LEWES, DE — U.S. EAST COAST WATERS
ARR: 19 JUL 83 LEWES, DE — OPMP — 8
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH — CHURCH — NSF

DEP: 21 JUL 83 LEWES, DE — U.S. EAST COAST WATERS
ARR: 24 JUL 83 LEWES, DE — 3
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH — SHARP — DRBA/SG

DEP: 25 JUL 83 LEWES, DE — U.S. EAST COAST WATERS
ARR: 02 AUG 83 LEWES, DE — 8
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH — SHARP — NSF

DEP: 03 AUG 83 LEWES, DE — U.S. EAST COAST WATERS
ARR: 05 AUG 83 LEWES, DE — 2
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH — TYLER — NSF

DEP: 08 AUG 83 LEWES, DE — U.S. EAST COAST WATERS
ARR: 12 AUG 83 LEWES, DE — 4

AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH — GARVINE — NSF

DEP: 14 AUG 83 LEWES, DE — U.S. EAST COAST WATERS
ARR: 25 AUG 83 LEWES, DE — 11
AREA INDEX: NA6

| | | | |
|---|---|---|---|
| OCEANOGRAPHIC RESEARCH | WARSH | | NSF/NOAA |
| DEP: 15 SEP 83 LEWES, DE<br>ARR: 22 SEP 83 LEWES, DE<br>AREA INDEX: NA6 | U.S. EAST COAST WATERS<br>OPMP | | 7 |
| OCEANOGRAPHIC RESEARCH | SHARP | | NSF |
| DEP: 02 NOV 83 LEWES, DE<br>ARR: 05 NOV 83 LEWES, DE<br>AREA INDEX: NA6 | U.S. EAST COAST WATERS | | 3 |
| OCEANOGRAPHIC RESEARCH | | | NSF/NOAA/NMFS |
| DEP: 11 NOV 83 LEWES, DE<br>ARR: 28 NOV 83 LEWES, DE<br>AREA INDEX: NA6 | U.S. EAST COAST WATERS | | 17 |

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## CAPE HATTERAS

### POINT OF CONTACT INFORMATION

| | |
|---|---|
| POC: | MR ERIC B NELSON |
| POC OFFICE: | MARINE SUPERINTENDENT |
| POC ORGANIZATION: | DUKE/UNC OCEANOGRAPHIC CONSORTIUM |
| POC ADDRESS: | DUKE UNIVERSITY MARINE LAB |
| POC CITY/STATE: | BEAUFORT, NC 28516 |
| FTS PREFIX: | 919 |
| COMMERCIAL AREA CODE: | 919 |
| PHONE: | 728-2111 |

### ADMINISTRATIVE DETAILS

| | |
|---|---|
| COMMON SHIP NAME: | HATTERAS |
| DESIGNATOR: | - |
| CLASS: | COASTAL ZONE R/V |
| CALL SIGN (INTERNATIONAL): | - |
| FLEET: | UNOLS |
| SHIP TYPE: | OCEAN RESEARCH - COASTAL ZONE |
| SHIP OWNER: | NATIONAL SCIENCE FOUNDATION |
| CERTIFICATION AUTHORITY: | - |
| FLAG REGISTRY: | USA |
| HOME PORT: | BEAUFORT NC USA |
| TECHNICAL SPONSOR: | U DUKE UNIVERSITY |
| OPERATIONS CONTROL: | U DUKE UNIVERSITY |
| CONTRACTUAL INFORMATION: | NSF CHARTER PARTY AGREEMENT. EXPIRES 1986. |
| OPERATING COST/DAY: | - |
| SCIENTIFIC COMPLEMENT: | 12 |
| NUMBER OFFICERS: | 5 |
| NUMBER IN CREW: | 4 |
| MAX SEA STATE: | 6 BEAUFORT SCALE |
| ENDURANCE: | 25 DAY(S) |
| LIMITING FACTOR: | FOOD STORES |
| BUILDER: | ATLANTIC MARINE INC. |
| WHERE BUILT: | FORT GEORGE ISLAND FL |
| INITIAL COST: | 6.0/81 MILLION $'S IN YEAR |
| DUE DATE: | - |
| KEEL DATE: | 15 JUN 80 |
| LAUNCH DATE: | - |
| DELIVERY DATE: | 01 AUG 81 |
| COMMISSION DATE: | - |
| CONVERSION DATE: | - |
| LAST OVERHAUL: | - |
| MAINTENANCE CYCLE: | - YEARS |
| END OF LIFE: | - |
| UPDATE OF INFORMATION: | 15 OCT 82 |

### SHIP DIMENSIONS

| | |
|---|---|
| LENGTH: | 135.0 FEET |
| MAX BEAM: | 32.0 FEET |
| HEIGHT: | - FEET |
| GROSS TONNAGE: | 294 |
| DISPLACEMENT: | 539 TONS |
| DRAUGHT: | 9.0 FEET |
| CRUISE SPEED: | 11.0 KNOTS |
| RANGE: | 6800 NAUTICAL MILES |
| MAX SPEED: | 12.5 KNOTS |
| MIN SPEED: | 0.1 KNOTS |

ENGINEERING/DECK EQUIPMENT

| | |
|---|---|
| MAIN PROPULSION: | DIESEL GEARED |
| AUXILIARY PROPULSION: | - |
| NUMBER OF SHAFTS: | 2 |
| FUEL TYPE: | 2 DIESEL |
| BOW THRUSTER: | - |
| ACTIVE RUDDER: | - |
| DYNAMIC POSITIONING: | - |
| ANTI-ROLL: | - |
| STABILIZER: | - |
| DEEP ANCHOR: | - FEET |
| BERTHING VAN DIMENSIONS: | - |
| INSTRUMENT VAN DIMENSIONS: | 8X8X20 |
| WET-LAB: | Y |
| DRY-LAB: | Y |
| AMMUNITION STORAGE: | - |
| HELO SUPPORT: | - |
| METEOROLOGICAL OBSERVATIONS: | - |

UTILITY BOATS:

1. 17 FOOT RUBBER INFLATABLE

A, U, OR L FRAMES

| | |
|---|---|
| MAX HOIST CAPACITY: | 13200 POUNDS |
| NUMBER OF FRAMES: | 1 |

CRANES OR BOOMS

| | |
|---|---|
| MAX HOIST CAPACITY: | 2000 POUNDS |
| NUMBER OF CRANES: | 1 |

WINCHES:

| | |
|---|---|
| 01. MAJOR TYPE/USE: | OCEANOGRAPHIC |
| SECONDARY TYPE/USE: | UNKNOWN |
| SLIP-RINGS: | N |
| TYPE WIRE: | WIRE ROPE |
| WIRE LENGTH: | 33000 FEET |
| WIRE DIAMETER: | 0.500 INCHES |
| 02. MAJOR TYPE/USE: | HYDROGRAPHIC |
| SECONDARY TYPE/USE: | UNKNOWN |
| SLIP-RINGS: | 1 |
| TYPE WIRE: | WIRE ROPE |
| WIRE LENGTH: | 30000 FEET |
| WIRE DIAMETER: | 0.187 INCHES |
| 03. MAJOR TYPE/USE: | HYDROGRAPHIC |
| SECONDARY TYPE/USE: | UNKNOWN |
| SLIP-RINGS: | 1 |
| TYPE WIRE: | CONDUCTOR CABLE |
| WIRE LENGTH: | 8000 FEET |
| WIRE DIAMETER: | 0.250 INCHES |

---

ELECTRONIC EQUIPMENT

| | |
|---|---|
| COMPUTERS: | - |
| FACSIMILE: | Y |
| ELECTROMAGNETIC LOG: | - |
| INERTIAL NAVIGATION: | - |
| RADAR (SURFACE SCAN): | Y |
| LORAN A: | - |
| LORAN C: | Y |
| OMEGA: | - |
| SATELLITE NAVIGATION: | Y |
| RADIO TELETYPE COMMUNICATION: | - |
| SINGLE SIDE BAND: | Y |
| VHF COMMUNICATIONS: | Y |
| STABLE TABLE: | - |
| NARROW BEAM: | Y |
| SEISMIC PROFILING: | - |
| SIDE SCAN: | - |
| SOUNDING SYSTEM (SHALLOW): | - |
| SOUNDING SYSTEM (DEEP): | RAYTHEON/EDO |

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CAPE HATTERAS

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CAPE HATTERAS LAST CHANGED 09 NOV 82

OPS SCHEDULE FOR PERIOD
01 JAN 83 THRU 31 DEC 83

OUT OF SERVICE

DEP: 18 DEC 82 BEAUFORT, NC MAINTENANCE AND PREPARATION FOR 198
ARR: 05 JAN 83 BEAUFORT, NC 19
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH A NEUMANN NSF/DUKE UNIV

DEP: 05 JAN 83 BEAUFORT, NC NORTHWEST PROVIDENCE CHANNEL-SEDIME
ARR: 19 JAN 83 BEAUFORT, NC GEOLOGICAL INVESTIGATIONS 15
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH D DEMASTER NSF/N.C. STATE

DEP: 23 JAN 83 BEAUFORT, NC GULF STREAM-OCEANOGRAPHIC TECHNIQUE
ARR: 27 JAN 83 WILMINGTON, NC 5
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH E FOSS NSF/CAPE FEAR

DEP: 01 FEB 83 WILMINGTON, NC CONTINENTAL SHELF-OCEANOGRAPHIC STU
ARR: 16 FEB 83 WILMINGTON, NC 16

AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH G PAFFENHOFER NSF/SKIDAWAY I

DEP: 21 FEB 83 WILMINGTON, NC SO. ATLANTIC BIGHT-BIOLOGICAL PROCE
ARR: 02 MAR 83 BEAUFORT, NC 10
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH R COLWELL NSF/UNIV OF MD

DEP: 14 MAR 83 BEAUFORT, NC CONTINENTAL SHELF-MICROBIOLOGICAL S
ARR: 17 MAR 83 BEAUFORT, NC 4
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH T FISHER NSF/HORN POINT

DEP: 27 MAR 83 BEAUFORT, NC CHESAPEAKE BAY-NUTRIENT INVESTIGATI
ARR: 10 APR 83 WILMINGTON, NC 15
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH E FOSS NSF/DUKE UNIV.

DEP: 15 APR 83 WILMINGTON, NC ONSLOW BAY-OCEANOGRAPHIC TECHNIQUES
ARR: 22 APR 83 WILMINGTON, NC 8
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH S RIGGS NSF/E CAROLINA

DEP: 01 MAY 83 WILMINGTON, NC CONTINENTAL SHELF-PHOSPHATE DEPOSIT
ARR: 17 MAY 83 BEAUFORT, NC STUDIES 17
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH L POMEROY NSF/UNIV. OF G

DEP: 21 MAY 83 BEAUFORT, NC SLOPE & SHELF WATERS-PELAGIC TUNICA
ARR: 04 JUN 83 BEAUFORT, NC INVESTIGATIONS 15
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH E FOSS NSF/CAPE FEAR

DEP: 09 JUN 83 BEAUFORT, NC — CONTINENTAL SHELF-OCEANOGRAPHIC STU
ARR: 30 JUN 83 BEAUFORT, NC — 22
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH — D SPENCER — NSF/WHOI

DEP: 05 JUL 83 BEAUFORT, NC — SHELF & SLOPE - CHEMICAL, BIOLOGICA
ARR: 18 JUL 83 WOODS HOLE — PHYSICAL STUDIES — 14
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH — J MAGNUSON — NSF/UNIV OF WI

DEP: 19 JUL 83 WOODS HOLE — GULF STREAM-NEKTON-ZOOPLANKTON STUD
ARR: 01 AUG 83 BOOTHBAY — 14
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH — C YENTSCH — NSF/BIGELOW LA

DEP: 02 AUG 83 BOOTHBAY — GULF OF MAINE-BIOLOGICAL OCEANOGRAP
ARR: 05 SEP 83 BOOTHBAY — 35

AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH — L MURPHY — NSF/BIGELOW LA

DEP: 06 SEP 83 BOOTHBAY — SLOPE & SHELF-BIOLOGICAL OCEANOGRAP
ARR: 22 SEP 83 BEAUFORT, NC — 17
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH — L POMEROY — NSF/UNIV OF GE

DEP: 29 SEP 83 BEAUFORT, NC — SLOPE & SHELF WATERS-PELAGIC TUNICA
ARR: 14 OCT 83 BEAUFORT, NC — INVESTIGATIONS — 16
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH — T FISHER — NSF/HORN POINT

DEP: 18 OCT 83 BEAUFORT, NC — CHESAPEAKE & DELAWARE BAYS-NUTRIENT
ARR: 01 NOV 83 BEAUFORT, NC — STUDIES — 15
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH — E FOSS — NSF/CAPE FEAR

DEP: 05 NOV 83 BEAUFORT, NC — LONG BAY-OCEANOGRAPHIC TECHNIQUES
ARR: 12 NOV 83 BEAUFORT, NC — 8
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH — A NEUMANN — NSF/UNIV N. CA

DEP: 17 NOV 83 BEAUFORT, NC — FLORIDA STRAITS - SEDIMENTARY GEOLO
ARR: 23 NOV 83 BEAUFORT, NC — INVESTIGATIONS — 7
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH — D DEMASTER — NSF/N.C. STATE

DEP: 28 NOV 83 BEAUFORT, NC — GULF STREAM-OCEANOGRAPHIC INVESTIGA
ARR: 02 DEC 83 BEAUFORT, NC — 5
AREA INDEX: NA6

OUT OF SERVICE — DUKE UNIV.

DEP: 03 DEC 83 BEAUFORT, NC — MAINTENANCE & PREPARATION FOR 1984
ARR: 31 DEC 83 BEAUFORT, NC — 29
AREA INDEX: NA6
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## KANA KEOKI

### POINT OF CONTACT INFORMATION

| | |
|---|---|
| POC: | MR J FRISBEE CAMPBELL |
| POC OFFICE: | SCI COORDINATOR FOR MARINE OPER. |
| POC ORGANIZATION: | HAWAII INST. OF GEOPHYSICS |
| POC ADDRESS: | 2525 CORREA ROAD |
| POC CITY/STATE: | HONOLULU HI 96822 |
| FTS PREFIX: | 808 |
| COMMERCIAL AREA CODE: | 808 |
| PHONE: | 948-7654 |

### ADMINISTRATIVE DETAILS

| | |
|---|---|
| DESIGNATOR: | RV |
| CLASS: | OFFSHORE SUPPLY |
| CALL SIGN (INTERNATIONAL): | - |
| FLEET: | UNOLS |
| SHIP TYPE: | OCEAN RESEARCH-GENERAL |
| SHIP OWNER: | HAWAII INST. OF GEOPHYSICS |
| CERTIFICATION AUTHORITY: | - |
| FLAG REGISTRY: | USA |
| HOME PORT: | HONOLULU HI |
| TECHNICAL SPONSOR: | U UNIV. OF HAWAII |
| OPERATIONS CONTROL: | HAWAII INST. OF GEOPHYSICS |
| CONTRACTUAL INFORMATION: | NONE |
| OPERATING COST/DAY: | 3.0/78 THOUSAND $'S |
| SCIENTIFIC COMPLEMENT: | 15 |
| NUMBER OFFICERS: | 4 |
| NUMBER IN CREW: | 11 |
| MAX SEA STATE: | 4 BEAUFORT SCALE |
| ENDURANCE: | 42 DAY(S) |
| LIMITING FACTOR: | REFRIGERATED STORES |
| BUILDER: | HALTER MARINE SERVICES INC |
| WHERE BUILT: | NEW ORLEANS LA USA |
| INITIAL COST: | - |
| DUE DATE: | - |
| KEEL DATE: | - |
| LAUNCH DATE: | '67 |
| DELIVERY DATE: | '67 |
| COMMISSION DATE: | - |
| CONVERSION DATE: | '70 |
| LAST OVERHAUL: | '79 |
| MAINTENANCE CYCLE: | 2.0 YEARS |
| END OF LIFE: | 1988 |
| UPDATE OF INFORMATION: | 16 DEC 82 |

### SHIP DIMENSIONS

| | |
|---|---|
| LENGTH: | 156.0 FEET |
| MAX BEAM: | 36.0 FEET |
| HEIGHT: | - FEET |
| GROSS TONNAGE: | 298 |
| DISPLACEMENT: | 1080 TONS |
| DRAUGHT: | 11.0 FEET |
| CRUISE SPEED: | 11.0 KNOTS |
| RANGE: | 12500 NAUTICAL MILES |
| MAX SPEED: | 13.5 KNOTS |
| MIN SPEED: | 1.0 KNOTS |

ENGINEERING/DECK EQUIPMENT

| | |
|---|---|
| MAIN PROPULSION: | DIESEL GEARED |
| AUXILIARY PROPULSION: | NO |
| NUMBER OF SHAFTS: | 2 |
| FUEL TYPE: | 1 DIESEL/2 DIESEL/JP-5 |
| BOW THRUSTER: | TUNNEL |
| ACTIVE RUDDER: | N |
| DYNAMIC POSITIONING: | N |
| ANTI-ROLL: | N |
| STABILIZER: | N |
| DEEP ANCHOR: | NONE FEET |
| BERTHING VAN DIMENSIONS: | 20X8X8 |
| INSTRUMENT VAN DIMENSIONS: | 20X8X8 |
| WET-LAB: | Y |
| DRY-LAB: | Y |
| AMMUNITION STORAGE: | Y |
| HELO SUPPORT: | N |
| METEOROLOGICAL OBSERVATIONS: | SURFACE |
| UTILITY BOATS: | N |
| A, U, OR L FRAMES | |
| MAX HOIST CAPACITY: | 60000 POUNDS |
| NUMBER OF FRAMES: | 3 |
| CRANES OR BOOMS | |
| MAX HOIST CAPACITY: | 15000 POUNDS |
| NUMBER OF CRANES: | 1 |
| WINCHES: | |
| 01. MAJOR TYPE/USE: | OCEANOGRAPHIC |
| SECONDARY TYPE/USE: | UNKNOWN |
| SLIP-RINGS: | 8 |
| TYPE WIRE: | CONDUCTOR CABLE |
| WIRE LENGTH: | 36000 FEET |
| WIRE DIAMETER: | 0.187 INCHES |
| SECONDARY WIRE LEN: | 25000 FEET |
| SECONDARY WIRE DIAM: | 0.250 INCHES |
| 02. MAJOR TYPE/USE: | DEEP SEA |
| SECONDARY TYPE/USE: | DREDGE |
| SLIP-RINGS: | N |
| TYPE WIRE: | WIRE ROPE |
| WIRE LENGTH: | 43000 FEET |
| WIRE DIAMETER: | 0.563 INCHES |

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ELECTRONIC EQUIPMENT

| | |
|---|---|
| COMPUTERS: | NOVA 1200 |
| FACSIMILE: | Y |
| ELECTROMAGNETIC LOG: | Y |
| INERTIAL NAVIGATION: | N |
| RADAR (SURFACE SCAN): | Y |
| LORAN A: | N |
| LORAN C: | Y |
| OMEGA: | Y |
| SATELLITE NAVIGATION: | Y |
| RADIO TELETYPE COMMUNICATION: | Y |
| SINGLE SIDE BAND: | Y |
| VHF COMMUNICATIONS: | Y |
| STABLE TABLE: | N |
| NARROW BEAM: | N |
| SEISMIC PROFILING: | Y |
| SIDE SCAN: | N |
| SOUNDING SYSTEM (SHALLOW): | RAYTHEON |
| SOUNDING SYSTEM (DEEP): | EDO |

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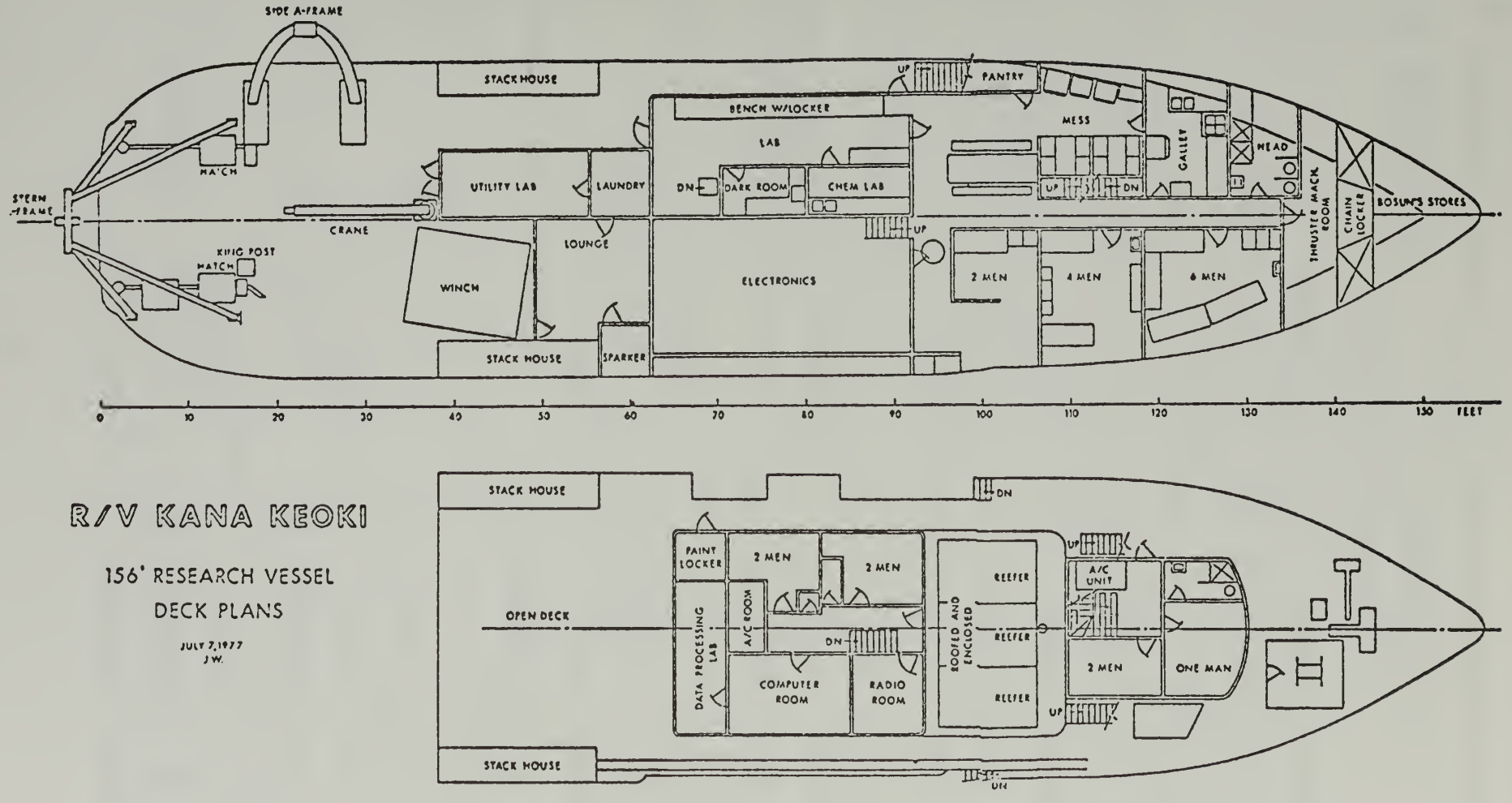


# R/V KANA KEOKI

156' RESEARCH VESSEL

DECK PLANS

JULY 7, 1977
J.W.

Figure 1

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KANA KEOKI LAST CHANGED 10 DEC 82

OPS SCHEDULE FOR PERIOD
01 JAN 83 THRU 31 DEC 83

OCEANOGRAPHIC RESEACH — BIENFANG — NSF

DEP: 05 JAN 83 HONOLULU, HI — BIOLOGY - HAWAIIAN WATERS
ARR: 09 JAN 83 HONOLULU, HI — 4

AREA INDEX: NP12

OCEANOGRAPHIC RESEACH — UNIV OF HAWAII

DEP: 15 JAN 83 HONOLULU, HI — OPEN TRANSIT TO PALAU
ARR: 31 JAN 83 PALAU — 16
AREA INDEX: NP12 NP11 NP10

OCEANOGRAPHIC RESEACH — HUSSONG — NSF

DEP: 03 FEB 83 PALAU — GEOLOGY & GEOPHYSICS - INDONESIA
ARR: 07 MAR 83 SURABAYA — 33
AREA INDEX: NP10 IN5

OCEANOGRAPHIC RESEACH — SILVER — NSF

DEP: 11 MAR 83 SURAYABA — GEOLOGY & GEOPHYSICS - INDONESIA
ARR: 10 APR 83 GUAM — 30
AREA INDEX: NP10 IN5

OCEANOGRAPHIC RESEACH — HUSSONG — ONR

DEP: 14 APR 83 GUAM — GEOLOGY & GEOPHYSICS - MARIANAS
ARR: 08 MAY 83 YOKOHAMA, JA — 24
AREA INDEX: NP10 NP7

OCEANOGRAPHIC RESEACH — DUENNEBIER — UNIV OF HAWAII

DEP: 12 MAY 83 YOKOHAMA, JA — GEOLOGY & GEOPHYSICS - NORTHWEST PA
ARR: 30 MAY 83 HONOLULU, HI — DOWNHOLE PICKUP — 18
AREA INDEX: NP7 NP8 NP11 NP12

OCEANOGRAPHIC RESEACH — YOUNG — NSF

DEP: 03 JUN 83 HONOLULU, HI — BIOLOGY - HAWAIIAN WATERS
ARR: 07 JUN 83 HONOLULU, HI — 4
AREA INDEX: NP12

OUT OF SERVICE — UNIV OF HAWAII

DEP: 07 JUN 83 HONOLULU, HI — SHIPYARD DRY DOCK
ARR: 22 JUN 83 HONOLULU, HI — 15
AREA INDEX: NP12

OCEANOGRAPHIC RESEARCH — YOUNG — NSF

DEP: 22 JUN 83 HONOLULU, HI — BIOLOGY - HAWAIIAN WATERS
ARR: 06 JUL 83 HONOLULU, HI — 14
AREA INDEX: NP12

OCEANOGRAPHIC RESEARCH — BIENFANG — NSF

DEP: 11 JUL 83 HONOLULU, HI — BIOLOGY - HAWAIIAN WATERS
ARR: 13 JUL 83 HONOLULU, HI — 2
AREA INDEX: NP12

OCEANOGRAPHIC RESEARCH — YOUNG — NSF

DEP: 18 JUL 83 HONOLULU, HI  BIOLOGY - HAWAIIAN WATERS
ARR: 06 AUG 83 HONOLULU, HI  19

AREA INDEX: NP12

OCEANOGRAPHIC RESEARCH

DEP: 17 AUG 83 HONOLULU, HI  OPEN TRANSIT TO CALLAO
ARR: 06 SEP 83 CALLAO, PERU  20
AREA INDEX: NP12 NP13 SP3 SP3A

OCEANOGRAPHIC RESEARCH  HUSSONG  NSF

DEP: 10 SEP 83 CALLAO, PERU  IPOD SITE SURVEY - NORTHERN PERU
ARR: 17 OCT 83 GUAYAQUIL, EC  37
AREA INDEX: SP3A SP3

OCEANOGRAPHIC RESEARCH

DEP: 20 OCT 83 GUAYAQUIL, EC  OPEN TRANSIT TO HONOLULU
ARR: 09 NOV 83 HONOLULU, HI  20
AREA INDEX: SP3A SP3 NP13 NP12

OCEANOGRAPHIC RESEARCH  YOUNG  NSF

DEP: 21 NOV 83 HONOLULU, HI  BIOLOGY - HAWAIIAN WATERS
ARR: 05 DEC 83 HONOLULU, HI  14
AREA INDEX: NP12

OPEN

DEP: 06 DEC 83 HONOLULU, HI  OPEN
ARR: 31 DEC 83 HONOLULU, HI  25
AREA INDEX: OPEN

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## MOANA WAVE

### POINT OF CONTACT INFORMATION

| | |
|---|---|
| POC: | MR J FRISBEE CAMPBELL |
| POC OFFICE: | SCI COORDINATOR FOR MARINE OPER. |
| POC ORGANIZATION: | HAWAII INST. OF GEOPHYSICS |
| POC ADDRESS: | 2525 CORREA ROAD |
| POC CITY/STATE: | HONOLULU HI 96822 |
| FTS PREFIX: | 808 |
| COMMERCIAL AREA CODE: | 808 |
| PHONE: | 948-7654 |

### ADMINISTRATIVE DETAILS

| | |
|---|---|
| COMMON SHIP NAME: | WAVE |
| DESIGNATOR: | AGOR 22 |
| CLASS: | GYRE/AGOR 21 |
| CALL SIGN (INTERNATIONAL): | - |
| FLEET: | UNOLS |
| SHIP TYPE: | RESEARCH AND DEVELOPMENT |
| SHIP OWNER: | USN |
| CERTIFICATION AUTHORITY: | - |
| FLAG REGISTRY: | USA |
| HOME PORT: | HONOLULU HI |
| TECHNICAL SPONSOR: | U UNIV. OF HAWAII |
| OPERATIONS CONTROL: | HAWAII INST. OF GEOPHYSICS |
| CONTRACTUAL INFORMATION: | ONR CODE 611 LEASE TO EXPIRE 1 JAN 84 CON # 00014-74-C-0052 |
| OPERATING COST/DAY: | 2.8/78 THOUSAND $'S |
| SCIENTIFIC COMPLEMENT: | 13 |
| NUMBER OFFICERS: | 4 |
| NUMBER IN CREW: | 11 |
| MAX SEA STATE: | 5 BEAUFORT SCALE |
| ENDURANCE: | 45 DAY(S) |
| LIMITING FACTOR: | REFRIGERATED STORES |
| BUILDER: | HALTER MARINE SERVICES INC |
| WHERE BUILT: | NEW ORLEANS LA USA |
| INITIAL COST: | 3.9/73 MILLION $'S IN YEAR |
| DUE DATE: | - |
| KEEL DATE: | - |
| LAUNCH DATE: | 18 JUN 73 |
| DELIVERY DATE: | '73 |
| COMMISSION DATE: | - |
| CONVERSION DATE: | - |
| LAST OVERHAUL: | '79 |
| MAINTENANCE CYCLE: | 2.0 YEARS |
| END OF LIFE: | 2003 |
| UPDATE OF INFORMATION: | 16 DEC 82 |

### SHIP DIMENSIONS

| | |
|---|---|
| LENGTH: | 174.0 FEET |
| MAX BEAM: | 36.0 FEET |
| HEIGHT: | - FEET |
| GROSS TONNAGE: | 291 |
| DISPLACEMENT: | 1437 TONS |
| DRAUGHT: | 13.1 FEET |
| CRUISE SPEED: | 10.0 KNOTS |
| RANGE: | 8000 NAUTICAL MILES |
| MAX SPEED: | 13.5 KNOTS |
| MIN SPEED: | 1.0 KNOTS |

ENGINEERING/DECK EQUIPMENT

| | |
|---|---|
| MAIN PROPULSION: | DIESEL GEARED |
| AUXILIARY PROPULSION: | NO |
| NUMBER OF SHAFTS: | 2 |
| FUEL TYPE: | 1 DIESEL/2 DIESEL/JP-5 |
| BOW THRUSTER: | ELECTRIC |
| ACTIVE RUDDER: | Y |
| DYNAMIC POSITIONING: | N |
| ANTI-ROLL: | N |
| STABILIZER: | N |
| DEEP ANCHOR: | NONE FEET |
| BERTHING VAN DIMENSIONS: | 24X8X8 |
| INSTRUMENT VAN DIMENSIONS: | 24X8X8 |
| WET-LAB: | Y |
| DRY-LAB: | Y |
| AMMUNITION STORAGE: | N |
| HELO SUPPORT: | N |
| METEOROLOGICAL OBSERVATIONS: | SURFACE |
| UTILITY BOATS: | N |
| A, U, OR L FRAMES | |
| MAX HOIST CAPACITY: | 60000 POUNDS |
| NUMBER OF FRAMES: | 2 |
| CRANES OR BOOMS | |
| MAX HOIST CAPACITY: | 7000 POUNDS |
| NUMBER OF CRANES: | 2 |
| WINCHES: | |
| 01. MAJOR TYPE/USE: | HYDROGRAPHIC |
| SECONDARY TYPE/USE: | UNKNOWN |
| SLIP-RINGS: | |
| TYPE WIRE: | WIRE ROPE |
| WIRE LENGTH: | 30000 FEET |
| WIRE DIAMETER: | 0.187 INCHES |
| 02. MAJOR TYPE/USE: | STD |
| SECONDARY TYPE/USE: | UNKNOWN |
| SLIP-RINGS: | |
| TYPE WIRE: | CONDUCTOR CABLE |
| WIRE LENGTH: | 20000 FEET |
| WIRE DIAMETER: | 0.219 INCHES |
| 03. MAJOR TYPE/USE: | TRAWL |
| SECONDARY TYPE/USE: | CORING |
| SLIP-RINGS: | |
| TYPE WIRE: | WIRE ROPE |
| WIRE LENGTH: | 40000 FEET |
| WIRE DIAMETER: | 0.500 INCHES |

---

ELECTRONIC EQUIPMENT

| | |
|---|---|
| COMPUTERS: | NOVA 1220 |
| FACSIMILE: | Y |
| ELECTROMAGNETIC LOG: | Y |
| INERTIAL NAVIGATION: | N |
| RADAR (SURFACE SCAN): | Y |
| LORAN A: | Y |
| LORAN C: | Y |
| OMEGA: | Y |
| SATELLITE NAVIGATION: | Y |
| RADIO TELETYPE COMMUNICATION: | Y |
| SINGLE SIDE BAND: | Y |
| VHF COMMUNICATIONS: | Y |
| STABLE TABLE: | N |
| NARROW BEAM: | N |
| SEISMIC PROFILING: | N |
| SIDE SCAN: | N |
| SOUNDING SYSTEM (SHALLOW): | ROSS |
| SOUNDING SYSTEM (DEEP): | EDO/RAYTHEON |

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MOANA WAVE LAST CHANGED 14 DEC 82

OPS SCHEDULE FOR PERIOD
01 JAN 83 THRU 31 DEC 83

OCEANOGRAPHIC RESEARCH UNIV OF HAWAII

DEP: 01 JAN 83 HONOLULU, HI UNDER ONR 611 CONTRACT
ARR: 31 DEC 83 HONOLULU, HI CALL POC FOR DETAILS 365
AREA INDEX: NP11 NP12

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## RIDGELY WARFIELD

### POINT OF CONTACT INFORMATION

| | |
|---|---|
| POC: | MR ROBERT K SHEEHAN |
| POC OFFICE: | HEAD, OPERATIONS DIVISION |
| POC ORGANIZATION: | CHESAPEAKE BAY INSTITUTE |
| POC ADDRESS: | JOHNS HOPKINS UNIVERSITY |
| POC CITY/STATE: | SHADY SIDE MD 20764 |
| COMMERCIAL AREA CODE: | 301 |
| PHONE: | 867-7550 |

### ADMINISTRATIVE DETAILS

| | |
|---|---|
| COMMON SHIP NAME: | WARFIELD |
| DESIGNATOR: | RV |
| CLASS: | CATAMARAN |
| CALL SIGN (INTERNATIONAL): | - |
| FLEET: | UNOLS |
| SHIP TYPE: | OCEAN RESEARCH-GENERAL |
| SHIP OWNER: | JOHNS HOPKINS UNIVERSITY |
| CERTIFICATION AUTHORITY: | - |
| FLAG REGISTRY: | USA |
| HOME PORT: | ANNAPOLIS MD |
| TECHNICAL SPONSOR: | U JOHNS HOPKINS UNIVERSITY |
| OPERATIONS CONTROL: | JOHNS HOPKINS UNIVERSITY |
| CONTRACTUAL INFORMATION: | NONE |
| OPERATING COST/DAY: | 2.5/80 THOUSAND $'S |
| SCIENTIFIC COMPLEMENT: | 11 |
| NUMBER OFFICERS: | 4 |
| NUMBER IN CREW: | 7 |
| MAX SEA STATE: | 4 BEAUFORT SCALE |
| ENDURANCE: | 30 DAY(S) |
| LIMITING FACTOR: | FUEL |
| BUILDER: | BETHLEHEM STEEL SHIPBUILDING |
| WHERE BUILT: | BALTIMORE MD USA |
| INITIAL COST: | 1.25/67 MILLION $'S IN YEAR |
| DUE DATE: | - |
| KEEL DATE: | - |
| LAUNCH DATE: | '67 |
| DELIVERY DATE: | '67 |
| COMMISSION DATE: | '67 |
| CONVERSION DATE: | - |
| LAST OVERHAUL: | 15 APR 80 |
| MAINTENANCE CYCLE: | 1.5 YEARS |
| END OF LIFE: | 1992 |
| UPDATE OF INFORMATION: | 16 DEC 82 |

### SHIP DIMENSIONS

| | |
|---|---|
| LENGTH: | 106.0 FEET |
| MAX BEAM: | 34.0 FEET |
| HEIGHT: | 46.0 FEET |
| GROSS TONNAGE: | 262 |
| DISPLACEMENT: | 162 TONS |
| DRAUGHT: | 9.6 FEET |
| CRUISE SPEED: | 15.0 KNOTS |
| RANGE: | 1500 NAUTICAL MILES |
| MAX SPEED: | 15.0 KNOTS |
| MIN SPEED: | 2.0 KNOTS |

## ENGINEERING/DECK EQUIPMENT

| | |
|---|---|
| MAIN PROPULSION: | DIESEL GEARED |
| AUXILIARY PROPULSION: | NO |
| NUMBER OF SHAFTS: | 2 |
| FUEL TYPE: | 2 DIESEL |
| BOW THRUSTER: | NO |
| ACTIVE RUDDER: | N |
| DYNAMIC POSITIONING: | N |
| ANTI-ROLL: | N |
| STABILIZER: | N |
| DEEP ANCHOR: | NONE FEET |
| BERTHING VAN DIMENSIONS: | NO |
| INSTRUMENT VAN DIMENSIONS: | NO |
| WET-LAB: | Y |
| DRY-LAB: | Y |
| AMMUNITION STORAGE: | N |
| HELO SUPPORT: | N |
| METEOROLOGICAL OBSERVATIONS: | - |

UTILITY BOATS:

1. 17 FOOT BOSTON WHALER

| | |
|---|---|
| A, U, OR L FRAMES | |
| MAX HOIST CAPACITY: | 3800 POUNDS |
| NUMBER OF FRAMES: | 1 |

CRANES OR BOOMS

| | |
|---|---|
| MAX HOIST CAPACITY: | 3000 POUNDS |
| NUMBER OF CRANES: | 1 |

WINCHES:

| | |
|---|---|
| 01. MAJOR TYPE/USE: | TRAWL |
| SECONDARY TYPE/USE: | CORING |
| SLIP-RINGS: | N |
| TYPE WIRE: | WIRE ROPE |
| WIRE LENGTH: | 1000 FEET |
| WIRE DIAMETER: | 0.375 INCHES |
| SECONDARY WIRE LEN: | 1000 FEET |
| SECONDARY WIRE DIAM: | 0.375 INCHES |
| 02. MAJOR TYPE/USE: | HYDROGRAPHIC |
| SECONDARY TYPE/USE: | UTILITY |
| SLIP-RINGS: | N |
| TYPE WIRE: | WIRE ROPE |
| WIRE LENGTH: | 1000 FEET |
| WIRE DIAMETER: | 0.156 INCHES |
| 03. MAJOR TYPE/USE: | BATHYTHERMOGRAPHIC |
| SECONDARY TYPE/USE: | UTILITY |
| SLIP-RINGS: | N |
| TYPE WIRE: | WIRE ROPE |
| WIRE LENGTH: | 300 FEET |
| WIRE DIAMETER: | 0.094 INCHES |
| 04. MAJOR TYPE/USE: | BATHYTHERMOGRAPHIC |
| SECONDARY TYPE/USE: | UTILITY |
| SLIP-RINGS: | N |
| TYPE WIRE: | WIRE ROPE |
| WIRE LENGTH: | 300 FEET |
| WIRE DIAMETER: | 0.094 INCHES |
| 05. MAJOR TYPE/USE: | ANCHOR |
| SECONDARY TYPE/USE: | UNKNOWN |
| SLIP-RINGS: | N |
| TYPE WIRE: | WIRE ROPE |
| WIRE LENGTH: | 1200 FEET |
| WIRE DIAMETER: | 0.500 INCHES |
| 06. MAJOR TYPE/USE: | ANCHOR |
| SECONDARY TYPE/USE: | UNKNOWN |
| SLIP-RINGS: | N |
| TYPE WIRE: | WIRE ROPE |
| WIRE LENGTH: | 1200 FEET |
| WIRE DIAMETER: | 0.500 INCHES |
| 07. MAJOR TYPE/USE: | ANCHOR |
| SECONDARY TYPE/USE: | UNKNOWN |
| SLIP-RINGS: | N |
| TYPE WIRE: | WIRE ROPE |
| WIRE LENGTH: | 2000 FEET |
| WIRE DIAMETER: | 0.375 INCHES |

08. MAJOR TYPE/USE: ANCHOR
SECONDARY TYPE/USE: UNKNOWN
SLIP-RINGS: N
TYPE WIRE: WIRE ROPE
WIRE LENGTH: 2000 FEET
WIRE DIAMETER: 0.375 INCHES

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ELECTRONIC EQUIPMENT

| | |
|---|---|
| COMPUTERS: | NONE |
| FACSIMILE: | N |
| ELECTROMAGNETIC LOG: | N |
| INERTIAL NAVIGATION: | N |
| RADAR (SURFACE SCAN): | Y |
| LORAN A: | N |
| LORAN C: | Y |
| OMEGA: | N |
| SATELLITE NAVIGATION: | N |
| RADIO TELETYPE COMMUNICATION: | N |
| SINGLE SIDE BAND: | Y |
| VHF COMMUNICATIONS: | Y |
| STABLE TABLE: | N |
| NARROW BEAM: | N |
| SEISMIC PROFILING: | N |
| SIDE SCAN: | N |
| SOUNDING SYSTEM (SHALLOW): | BENDIX, RAYTHEON |
| SOUNDING SYSTEM (DEEP): | EDO |

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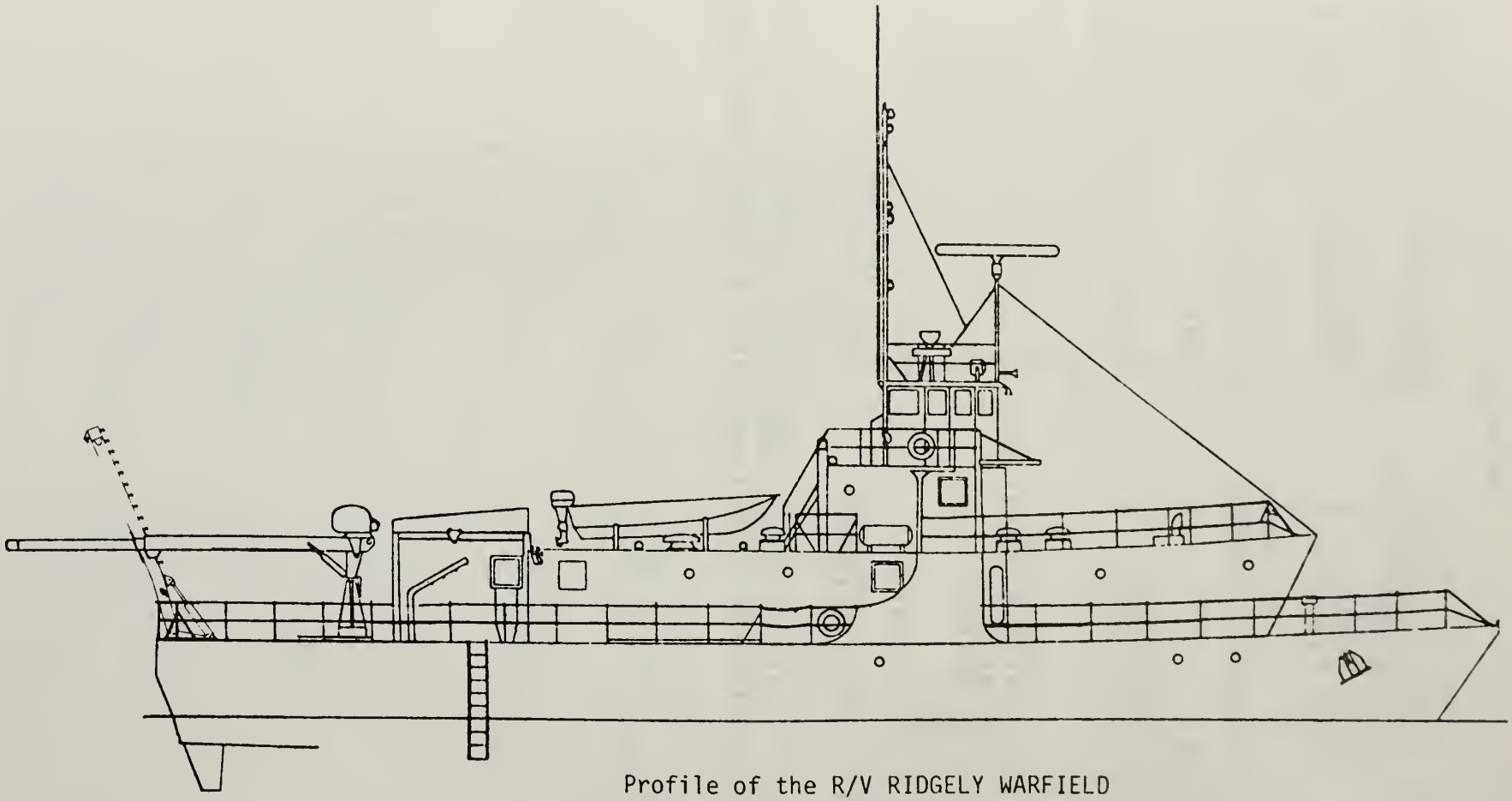
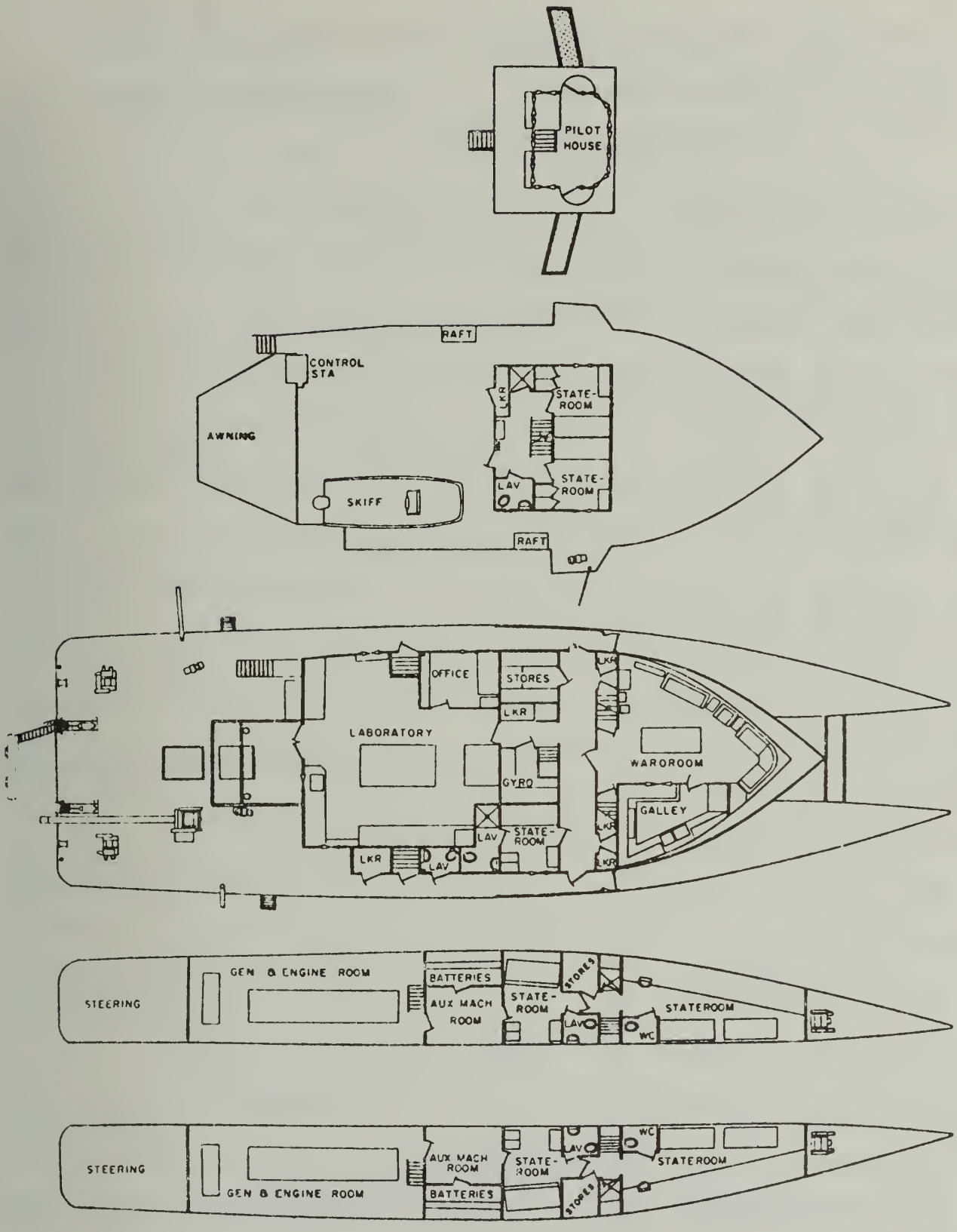


Profile of the R/V RIDGELY WARFIELD


PILOT HOUSE
RAFT
CONTROL STA
AWNING
SKIFF
LKR
STATE-ROOM
LAV
STATE-ROOM
RAFT
OFFICE
STORES
LKR
LABORATORY
GYRO
WARDROOM
GALLEY
LAV
STATE-ROOM
LKR
LAV
LKR
LKR
STEERING
GEN & ENGINE ROOM
BATTERIES
AUX MACH ROOM
STATE-ROOM
STORES
LAV
WC
STATEROOM
STEERING
GEN & ENGINE ROOM
AUX MACH ROOM
BATTERIES
STATE-ROOM
LAV
WC
STATEROOM
STORES

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RIDGELY WARFIELD LAST CHANGED 18 NOV 82

OPS SCHEDULE FOR PERIOD
01 JAN 83 THRU 31 DEC 83

OCEANOGRAPHIC RESEARCH SELIGER(JHU) NSF

DEP: 03 JAN 83 ANNAPOLIS, MD PHOTOECOLOGY - CHESAPEAKE BAY ENTRA
ARR: 05 JAN 83 ANNAPOLIS, MD 2
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH HEINBOKEL/TYLER NSF

DEP: 17 JAN 83 ANNAPOLIS, MD ZODIAC - CHESAPEAKE BAY
ARR: 21 JAN 83 ANNAPOLIS, MD 4
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH SELIGER(JHU) NSF

DEP: 08 MAR 83 ANNAPOLIS, MD PHOTOECOLOGY - CHESAPEAKE BAY ENTRA
ARR: 10 MAR 83 ANNAPOLIS, MD 2
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH HEINBOKEL/TYLER NSF

DEP: 14 MAR 83 ANNAPOLIS, MD ZODIAC - CHESAPEAKE BAY
ARR: 18 MAR 83 ANNAPOLIS, MD 4
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH HAAS (VIMS) NSF

DEP: 26 MAR 83 ANNAPOLIS, MD MICROFLAGELLATES - YORK RIVER
ARR: 31 MAR 83 ANNAPOLIS, MD 5
AREA INDEX: NA6

DEP: 01 APR 83 ANNAPOLIS, MD MICROFLAGELLATES - YORK RIVER
ARR: 04 APR 83 ANNAPOLIS, MD 3
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH SELIGER(JHU) NSF

DEP: 06 APR 83 ANNAPOLIS, MD PHOTOECOLOGY - CHESAPEAKE BAY ENTRA
ARR: 08 APR 83 ANNAPOLIS, MD 2
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH COLWELL (U OF MD) NSF

DEP: 12 APR 83 ANNAPOLIS, MD MICROBIOLOGY - UPPER CHESAPEAKE BAY
ARR: 12 APR 83 ANNAPOLIS, MD 0
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH HEINBOKEL/TYLER NSF

DEP: 18 APR 83 ANNAPOLIS, MD ZODIAC - CHESAPEAKE BAY
ARR: 22 APR 83 ANNAPOLIS, MD 4
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH SELIGER(JHU) NSF

DEP: 27 APR 83 ANNAPOLIS, MD PHOTOECOLOGY - CHESAPEAKE BAY ENTRA
ARR: 29 APR 83 ANNAPOLIS, MD 2
AREA INDEX: NA6

DEP: 03 MAY 83 ANNAPOLIS, MD PHOTOECOLOGY - CHESAPEAKE BAY ENTRA
ARR: 05 MAY 83 ANNAPOLIS, MD 2

AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH — COLWELL (U OF MD) — NSF

DEP: 10 MAY 83 ANNAPOLIS, MD — MICROBIOLOGY - UPPER CHESAPEAKE BAY
ARR: 10 MAY 83 ANNAPOLIS, MD — 0
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH — HEINBOKEL/TYLER — NSF

DEP: 16 MAY 83 ANNAPOLIS, MD — ZODIAC - CHESAPEAKE BAY
ARR: 20 MAY 83 ANNAPOLIS, MD — 4
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH — SELIGER(JHU) — NSF

DEP: 24 MAY 83 ANNAPOLIS, MD — PHOTOECOLOGY - CHESAPEAKE BAY ENTRA
ARR: 26 MAY 83 ANNAPOLIS, MD — 2
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH — POWERS (JHU) — NSF

DEP: 01 JUN 83 ANNAPOLIS, MD — MUMMICHUG - CHESAPEAKE BAY
ARR: 10 JUN 83 ANNAPOLIS, MD — 9
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH — COLWELL (U OF MD) — NSF

DEP: 14 JUN 83 ANNAPOLIS, MD — MICROBIOLOGY - UPPER CHESAPEAKE BAY
ARR: 14 JUN 83 ANNAPOLIS, MD — 0
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH — HEINBOKEL/TYLER — NSF

DEP: 20 JUN 83 ANNAPOLIS, MD — ZODIAC - CHESAPEAKE BAY
ARR: 24 JUN 83 ANNAPOLIS, MD — 4
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH — COLWELL (U OF MD) — NSF

DEP: 12 JUL 83 ANNAPOLIS, MD — MICROBIOLOGY - UPPER CHESAPEAKE BAY
ARR: 12 JUL 83 ANNAPOLIS, MD — 0
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH — SELIGER(JHU) — NSF

DEP: 19 JUL 83 ANNAPOLIS, MD — PHOTOECOLOGY - CHESAPEAKE BAY ENTRA
ARR: 21 JUL 83 ANNAPOLIS, MD — 2
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH — POWERS (JHU) — NSF

DEP: 25 JUL 83 ANNAPOLIS, MD — MUMMICHUG - CHESAPEAKE BAY
ARR: 29 JUL 83 ANNAPOLIS, MD — 4
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH — COLWELL (U OF MD) — NSF

DEP: 02 AUG 83 ANNAPOLIS, MD — MICROBIOLOGY - UPPER CHESAPEAKE BAY
ARR: 02 AUG 83 ANNAPOLIS, MD — 0
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH — HAAS (VIMS) — NSF

DEP: 06 AUG 83 ANNAPOLIS, MD — MICROFLAGELLATES - YORK RIVER
ARR: 15 AUG 83 ANNAPOLIS, MD — 9
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH — SELIGER(JHU) — NSF

DEP: 17 AUG 83 ANNAPOLIS, MD — PHOTOECOLOGY - CHESAPEAKE BAY ENTRA

```
ARR: 19 AUG 83 ANNAPOLIS, MD                                          2
AREA INDEX: NA6
     .....................................
OCEANOGRAPHIC RESEARCH          HEINBOKEL/TYLER          NSF

DEP: 22 AUG 83 ANNAPOLIS, MD       ZODIAC - CHESAPEAKE BAY
ARR: 26 AUG 83 ANNAPOLIS, MD                                          4
AREA INDEX: NA6
     .....................................
OCEANOGRAPHIC RESEARCH          SELIGER(JHU)             NSF

DEP: 06 SEP 83 ANNAPOLIS, MD       PHOTOECOLOGY - CHESAPEAKE BAY ENTRA
ARR: 08 SEP 83 ANNAPOLIS, MD                                          2
AREA INDEX: NA6
     .....................................
OCEANOGRAPHIC RESEARCH          COLWELL (U OF MD)        NSF

DEP: 12 SEP 83 ANNAPOLIS, MD       MICROBIOLOGY - UPPER CHESAPEAKE BAY
ARR: 16 SEP 83 ANNAPOLIS, MD                                          4
AREA INDEX: NA6
     .....................................
OCEANOGRAPHIC RESEARCH          SELIGER(JHU)             NSF

DEP: 20 SEP 83 ANNAPOLIS, MD       PHOTOECOLOGY - CHESAPEAKE BAY ENTRA
ARR: 22 SEP 83 ANNAPOLIS, MD                                          2
AREA INDEX: NA6
     .....................................
OCEANOGRAPHIC RESEARCH          POWERS (JHU)             NSF

DEP: 26 SEP 83 ANNAPOLIS, MD       MUMMICHUG - CHESAPEAKE BAY
ARR: 30 SEP 83 ANNAPOLIS, MD                                          4
AREA INDEX: NA6
     .....................................
OCEANOGRAPHIC RESEARCH          SELIGER(JHU)             NSF

DEP: 04 OCT 83 ANNAPOLIS, MD       PHOTOECOLOGY - CHESAPEAKE BAY ENTRA
ARR: 07 OCT 83 ANNAPOLIS, MD                                          3
AREA INDEX: NA6
     .....................................
OCEANOGRAPHIC RESEARCH          COLWELL (U OF MD)        NSF

DEP: 11 OCT 83 ANNAPOLIS, MD       MICROBIOLOGY - UPPER CHESAPEAKE BAY
ARR: 11 OCT 83 ANNAPOLIS, MD                                          0
AREA INDEX: NA6

DEP: 02 NOV 83 ANNAPOLIS, MD       MICROBIOLOGY - UPPER CHESAPEAKE BAY
ARR: 02 NOV 83 ANNAPOLIS, MD                                          0

AREA INDEX: NA6
     .....................................
OCEANOGRAPHIC RESEARCH          SELIGER(JHU)             NSF

DEP: 08 NOV 83 ANNAPOLIS, MD       PHOTOECOLOGY - CHESAPEAKE BAY ENTRA
ARR: 10 NOV 83 ANNAPOLIS, MD                                          2
AREA INDEX: NA6

DEP: 21 NOV 83 ANNAPOLIS, MD       PHOTOECOLOGY - CHESAPEAKE BAY ENTRA
ARR: 23 NOV 83 ANNAPOLIS, MD                                          2
AREA INDEX: NA6

DEP: 03 DEC 83 ANNAPOLIS, MD       PHOTOECOLOGY - CHESAPEAKE BAY ENTRA
ARR: 15 DEC 83 ANNAPOLIS, MD                                         12
AREA INDEX: NA6
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## ROBERT D CONRAD

### POINT OF CONTACT INFORMATION

| | |
|---|---|
| POC: | CAPT S S GRIFFIN |
| POC OFFICE: | PORT CAPTAIN |
| POC ORGANIZATION: | MARITIME OPERATION INC |
| POC ADDRESS: | P O BOX 594 |
| POC CITY/STATE: | PALISADES NY 10964 |
| FTS PREFIX: | 914 |
| COMMERCIAL AREA CODE: | 914 |
| PHONE: | 359-2900 |

### ADMINISTRATIVE DETAILS

| | |
|---|---|
| COMMON SHIP NAME: | CONRAD |
| DESIGNATOR: | AGOR 3 |
| CLASS: | ROBERT D CONRAD/AGOR 3 |
| CALL SIGN (INTERNATIONAL): | - |
| FLEET: | UNOLS |
| SHIP TYPE: | OCEAN RESEARCH-GENERAL |
| SHIP OWNER: | USN |
| CERTIFICATION AUTHORITY: | - |
| FLAG REGISTRY: | USA |
| HOME PORT: | NEW YORK NY |
| TECHNICAL SPONSOR: | U LAMONT-DOHERTY GEOLOGICAL OBSERVATORY |
| OPERATIONS CONTROL: | MARITIME OPERATIONS INC |
| CONTRACTUAL INFORMATION: | ONR CODE 611 LEASE TO EXPIRE 14 JUN 79 CON N00014-69-C-0324 |
| OPERATING COST/DAY: | 4.5/78 THOUSAND $'S |
| SCIENTIFIC COMPLEMENT: | 15 |
| NUMBER OFFICERS: | 6 |
| NUMBER IN CREW: | 14 |
| MAX SEA STATE: | 4 BEAUFORT SCALE |
| ENDURANCE: | 60 DAY(S) |
| LIMITING FACTOR: | REFRIGERATED STORES |
| BUILDER: | GIBBS SHIPYARD CORPORATION |
| WHERE BUILT: | JACKSONVILLE FL USA |
| INITIAL COST: | - |
| DUE DATE: | - |
| KEEL DATE: | 19 JAN 61 |
| LAUNCH DATE: | 26 MAY 62 |
| DELIVERY DATE: | 29 NOV 62 |
| COMMISSION DATE: | - |
| CONVERSION DATE: | - |
| LAST OVERHAUL: | - |
| MAINTENANCE CYCLE: | - YEARS |
| END OF LIFE: | 1983 |
| UPDATE OF INFORMATION: | 16 DEC 82 |

### SHIP DIMENSIONS

| | |
|---|---|
| LENGTH: | 209.0 FEET |
| MAX BEAM: | 37.5 FEET |
| HEIGHT: | - FEET |
| GROSS TONNAGE: | 1425 |
| DISPLACEMENT: | 1370 TONS |
| DRAUGHT: | 16.8 FEET |
| CRUISE SPEED: | 10.0 KNOTS |
| RANGE: | 10000 NAUTICAL MILES |
| MAX SPEED: | 11.0 KNOTS |
| MIN SPEED: | 1.0 KNOTS |

ENGINEERING/DECK EQUIPMENT

| | |
|---|---|
| MAIN PROPULSION: | DIESEL ELECTRIC |
| AUXILIARY PROPULSION: | GAS TURBINE BT |
| NUMBER OF SHAFTS: | 1 |
| FUEL TYPE: | 2 DIESEL |
| BOW THRUSTER: | RETRACTABLE |
| ACTIVE RUDDER: | N |
| DYNAMIC POSITIONING: | N |
| ANTI-ROLL: | N |
| STABILIZER: | N |
| DEEP ANCHOR: | - FEET |
| BERTHING VAN DIMENSIONS: | 8X8X20 |
| INSTRUMENT VAN DIMENSIONS: | NO |
| WET-LAB: | N |
| DRY-LAB: | Y |
| AMMUNITION STORAGE: | - |
| HELO SUPPORT: | N |
| METEOROLOGICAL OBSERVATIONS: | - |
| UTILITY BOATS: | N |
| A, U, OR L FRAMES | |
| MAX HOIST CAPACITY: | 30000 POUNDS |
| NUMBER OF FRAMES: | 2 |
| CRANES OR BOOMS | |
| MAX HOIST CAPACITY: | 10000 POUNDS |
| NUMBER OF CRANES: | 1 |
| WINCHES: | |
| 01. MAJOR TYPE/USE: | UNKNOWN |
| SECONDARY TYPE/USE: | UNKNOWN |
| SLIP-RINGS: | N |
| TYPE WIRE: | WIRE ROPE |
| WIRE LENGTH: | 25000 FEET |
| WIRE DIAMETER: | 0.500 INCHES |
| 02. MAJOR TYPE/USE: | UNKNOWN |
| SECONDARY TYPE/USE: | UNKNOWN |
| SLIP-RINGS: | N |
| TYPE WIRE: | WIRE ROPE |
| WIRE LENGTH: | 30000 FEET |
| WIRE DIAMETER: | 0.250 INCHES |
| 03. MAJOR TYPE/USE: | UNKNOWN |
| SECONDARY TYPE/USE: | UNKNOWN |
| SLIP-RINGS: | N |
| TYPE WIRE: | WIRE ROPE |
| WIRE LENGTH: | 25000 FEET |
| WIRE DIAMETER: | 0.187 INCHES |
| 04. MAJOR TYPE/USE: | UNKNOWN |
| SECONDARY TYPE/USE: | UNKNOWN |
| SLIP-RINGS: | N |
| TYPE WIRE: | WIRE ROPE |
| WIRE LENGTH: | 20000 FEET |
| WIRE DIAMETER: | 0.187 INCHES |

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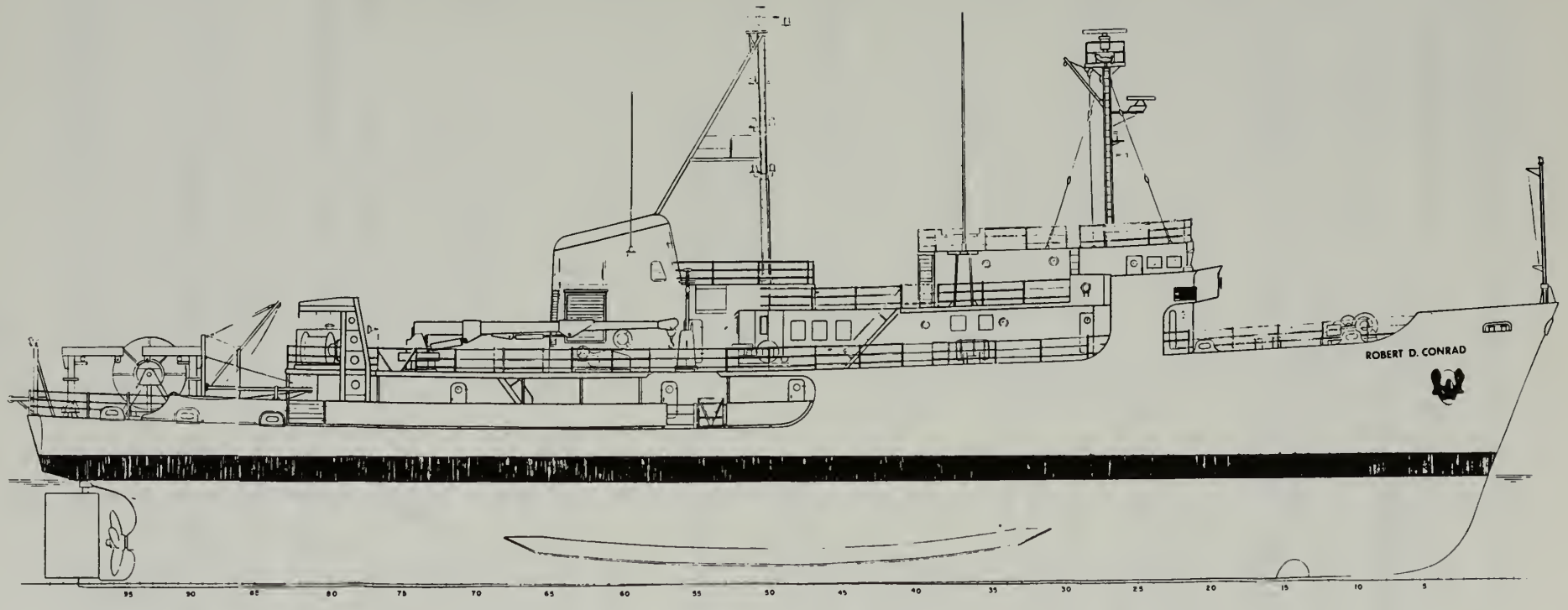
ELECTRONIC EQUIPMENT

| | |
|---|---|
| COMPUTERS: | TEKTRONIX 4051 |
| FACSIMILE: | Y |
| ELECTROMAGNETIC LOG: | N |
| INERTIAL NAVIGATION: | N |
| RADAR (SURFACE SCAN): | Y |
| LORAN A: | N |
| LORAN C: | Y |
| OMEGA: | N |
| SATELLITE NAVIGATION: | Y |
| RADIO TELETYPE COMMUNICATION: | N |
| SINGLE SIDE BAND: | Y |
| VHF COMMUNICATIONS: | Y |
| STABLE TABLE: | N |
| NARROW BEAM: | N |
| SEISMIC PROFILING: | N |
| SIDE SCAN: | N |
| SOUNDING SYSTEM (SHALLOW): | NO |
| SOUNDING SYSTEM (DEEP): | L-DGO PDR |




OUTBOARD PROFILE

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ROBERT D CONRAD LAST CHANGED 14 DEC 82

OPS SCHEDULE FOR PERIOD
01 JAN 83 THRU 31 DEC 83

OCEANOGRAPHIC RESEARCH — KATZ — NSF

DEP: 15 JAN 83 JACKSONVILLE, FL — TRANSIT TO BARBADOS & SEQUAL
ARR: 22 JAN 83 BARBADOS — 7
AREA INDEX: NA6 NA9

DEP: 23 JAN 83 BARBADOS — SEQUAL LEG 1
ARR: 11 FEB 83 RECIFE, BR — 19
AREA INDEX: NA9 NA10 SA1

OCEANOGRAPHIC RESEARCH — NSF

DEP: 15 FEB 83 RECIFE, BR — SEQUAL LEG 2
ARR: 05 MAR 83 ABIDJAN — 18
AREA INDEX: SA1 NA10 NA11 SA2

OCEANOGRAPHIC RESEARCH — MACINTYRE — NSF

DEP: 08 MAR 83 ABIDJAN — EQUATORIAL ATLANTIC
ARR: 05 APR 83 ABIDJAN — 28
AREA INDEX: NA10 NA11 SA1 SA2

OCEANOGRAPHIC RESEARCH

DEP: 08 APR 83 ABIDJAN — TRANSIT TO MEDITERRANEAN
ARR: 19 APR 83 CASABLANCA — 11
AREA INDEX: NA11 NA10 NA7

OCEANOGRAPHIC RESEARCH — HAYES/RABINOWITZ — NSF

DEP: 25 APR 83 CASABLANCA — MCS INSTALLATION
ARR: 30 MAY 83 MADEIRA ISLANDS — MOROCCAN MARGIN — 35

AREA INDEX: NA7

OCEANOGRAPHIC RESEARCH

DEP: 01 JUN 83 MADEIRA ISLANDS — TRANSIT
ARR: 10 JUN 83 REYKJAVIK, ICELAND — 9
AREA INDEX: NA7 NA5 NA1

OCEANOGRAPHIC RESEARCH — MUTTER/BUHL — NSF

DEP: 13 JUN 83 REYKJAVIK, IC — NORWEGIAN MARGIN
ARR: 27 JUL 83 HALIFAX, NS — 44
AREA INDEX: NA1 NA2 NA4 NA5 NA6

OCEANOGRAPHIC RESEARCH — TUCHOLKE/HOLLISTER — NSF

DEP: 30 JUL 83 HALIFAX, NS — NOVA SCOTIA CONTINENTAL RISE
ARR: 24 AUG 83 WOODS HOLE, MA — 25
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH — GRIMM

DEP: 30 AUG 83 WOODS HOLE, MA — DEEP TOW INSTALLATION
ARR: 11 SEP 83 WOODS HOLE, MA — TITANIC/GRIMM — 12
AREA INDEX: NA6 NA7

OCEANOGRAPHIC RESEARCH

DEP: 15 SEP 83 HALIFAX, NS — TRANSIT TO MEDITERRANEAN

ARR: 29 SEP 83 VALENCIA, SP 14
AREA INDEX: NA6 NA7

OCEANOGRAPHIC RESEARCH RYAN/MALDONADO NSF/CNEXO

DEP: 02 OCT 83 VALENCIA, SP WESTERN MEDITERRANEAN
ARR: 14 OCT 83 NAPLES, ITALY 12
AREA INDEX: NA7 NA8

OCEANOGRAPHIC RESEARCH RYAN/KASTEN NSF

DEP: 16 OCT 83 NAPLES, IT EASTERN MEDITERRANEAN
ARR: 15 NOV 83 NAPLES, IT 30
AREA INDEX: NA8

OCEANOGRAPHIC RESEARCH

DEP: 19 NOV 83 NAPLES, IT TRANSIT TO EAST COAST U.S.
ARR: 07 DEC 83 PORT TBD 18
AREA INDEX: NA8 NA7 NA6
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## CALANUS

### POINT OF CONTACT INFORMATION

| | |
|---|---|
| POC: | MR JAMES GIBBONS |
| POC OFFICE: | MARINE OPERATIONS MANAGER, RSMAS |
| POC ORGANIZATION: | UNIVERSITY OF MIAMI |
| POC ADDRESS: | 10 RICKENBACKER CAUSEWAY |
| POC CITY/STATE: | MIAMI FL 33149 |
| COMMERCIAL AREA CODE: | 305 |
| PHONE: | 350-7223 |

### ADMINISTRATIVE DETAILS

| | |
|---|---|
| DESIGNATOR: | ORV |
| CLASS: | UNDER 100 GT |
| CALL SIGN (INTERNATIONAL): | - |
| FLEET: | UNOLS |
| SHIP TYPE: | OCEAN RESEARCH-GENERAL |
| SHIP OWNER: | UNIVERSITY OF MIAMI |
| CERTIFICATION AUTHORITY: | NONE |
| FLAG REGISTRY: | USA |
| HOME PORT: | MIAMI FL |
| TECHNICAL SPONSOR: | U UNIV. OF MIAMI |
| OPERATIONS CONTROL: | UNIVERSITY OF MIAMI |
| CONTRACTUAL INFORMATION: | NONE |
| OPERATING COST/DAY: | 0.7/78 THOUSAND $'S |
| SCIENTIFIC COMPLEMENT: | 6 |
| NUMBER OFFICERS: | 1 |
| NUMBER IN CREW: | 1 |
| MAX SEA STATE: | 4 BEAUFORT SCALE |
| ENDURANCE: | 15 DAY(S) |
| LIMITING FACTOR: | CREW |
| BUILDER: | ATLANTIC MARINE INC |
| WHERE BUILT: | FL USA |
| INITIAL COST: | .089/71 MILLION $'S IN YEAR |
| DUE DATE: | - |
| KEEL DATE: | 00 MAR 71 |
| LAUNCH DATE: | '71 |
| DELIVERY DATE: | 00 SEP 71 |
| COMMISSION DATE: | 00 OCT 71 |
| CONVERSION DATE: | - |
| LAST OVERHAUL: | - |
| MAINTENANCE CYCLE: | 1.0 YEARS |
| END OF LIFE: | 1990 |
| UPDATE OF INFORMATION: | 16 DEC 82 |

### SHIP DIMENSIONS

| | |
|---|---|
| LENGTH: | 64.0 FEET |
| MAX BEAM: | 20.0 FEET |
| HEIGHT: | 24.0 FEET |
| GROSS TONNAGE: | 83 |
| DISPLACEMENT: | 80 TONS |
| DRAUGHT: | 4.9 FEET |
| CRUISE SPEED: | 9.0 KNOTS |
| RANGE: | 2500 NAUTICAL MILES |
| MAX SPEED: | 9.0 KNOTS |
| MIN SPEED: | 4.0 KNOTS |

ENGINEERING/DECK EQUIPMENT

| | |
|---|---|
| MAIN PROPULSION: | DIESEL GEARED |
| AUXILIARY PROPULSION: | NO |
| NUMBER OF SHAFTS: | 2 |
| FUEL TYPE: | MG-0/2 DIESEL/LIGHT DO |
| BOW THRUSTER: | NO |
| ACTIVE RUDDER: | N |
| DYNAMIC POSITIONING: | N |
| ANTI-ROLL: | N |
| STABILIZER: | N |
| DEEP ANCHOR: | NONE FEET |
| BERTHING VAN DIMENSIONS: | NO |
| INSTRUMENT VAN DIMENSIONS: | NO |
| WET-LAB: | N |
| DRY-LAB: | Y |
| AMMUNITION STORAGE: | N |
| HELO SUPPORT: | N |
| METEOROLOGICAL OBSERVATIONS: | - |
| UTILITY BOATS: | |
| 1. 13 FOOT RUBBER INFLATABLE | |
| A, U, OR L FRAMES | |
| MAX HOIST CAPACITY: | 5000 POUNDS |
| NUMBER OF FRAMES: | 1 |
| CRANES OR BOOMS | |
| MAX HOIST CAPACITY: | POUNDS |
| NUMBER OF CRANES: | 0 |
| WINCHES: | |
| 01. MAJOR TYPE/USE: | OCEANOGRAPHIC |
| SECONDARY TYPE/USE: | UNKNOWN |
| SLIP-RINGS: | N |
| TYPE WIRE: | WIRE ROPE |
| WIRE LENGTH: | 15000 FEET |
| WIRE DIAMETER: | 0.187 INCHES |

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ELECTRONIC EQUIPMENT

| | |
|---|---|
| COMPUTERS: | NONE |
| FACSIMILE: | N |
| ELECTROMAGNETIC LOG: | N |
| INERTIAL NAVIGATION: | N |
| RADAR (SURFACE SCAN): | Y |
| LORAN A: | N |
| LORAN C: | Y |
| OMEGA: | N |
| SATELLITE NAVIGATION: | Y |
| RADIO TELETYPE COMMUNICATION: | N |
| SINGLE SIDE BAND: | Y |
| VHF COMMUNICATIONS: | Y |
| STABLE TABLE: | N |
| NARROW BEAM: | N |
| SEISMIC PROFILING: | N |
| SIDE SCAN: | N |
| SOUNDING SYSTEM (SHALLOW): | RAYTHEON |
| SOUNDING SYSTEM (DEEP): | EDO |

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CALANUS LAST CHANGED 06 DEC 82

OPS SCHEDULE FOR PERIOD
01 JAN 83 THRU 31 DEC 83

OCEANOGRAPHIC RESEARCH — DR LEAMAN — NOAA

DEP: 11 MAR 83 MIAMI, FL
ARR: 22 MAR 83 MIAMI, FL
PEGASUS VELOCITY PROFILES - 27N FLORIDA STRAITS 11
AREA INDEX: NA9

OCEANOGRAPHIC RESEARCH — DR KING — NSF

DEP: 18 APR 83 MIAMI, FL
ARR: 13 MAY 83 MIAMI, FL
NUTRITIONAL ECOLOGY OF MARINE PLANK CARNIVORES. BAHAMAS 25
AREA INDEX: NA9

OCEANOGRAPHIC RESEARCH — DR MYRBERG — NSF

DEP: 20 MAY 83 MIAMI, FL
ARR: 26 MAY 83 MIAMI, FL
BIO-ACOUSTIC RESEARCH - REEFS ALONG SOUTH FLORIDA COASTLINE 6
AREA INDEX: NA9

OCEANOGRAPHIC RESEARCH — DR MORSE — NSF

DEP: 11 JUN 83 MIAMI, FL
ARR: 30 JUN 83 MIAMI, FL
SOLUBILITY OF CALCITE & ARAGONITE I SEAWATER. BAHAMA BANKS 19
AREA INDEX: NA9

OCEANOGRAPHIC RESEARCH — DR LEAMAN — NOAA

DEP: 07 JUL 83 MIAMI, FL
ARR: 18 JUL 83 MIAMI, FL
PEGASUS VELOCITY PROFILES - 27N FLORIDA STRAITS 11
AREA INDEX: NA9

OCEANOGRAPHIC RESEARCH — DR FENICAL — NSF

DEP: 26 JUL 83 MIAMI, FL
ARR: 16 AUG 83 MIAMI, FL
INVEST. CHEM DEFENSE OF SOFT-BODIED PLANTS & ANIMALS. SO.BAHAMAS 21
AREA INDEX: NA9

OCEANOGRAPHIC RESEARCH — DR MYRBERG — NSF

DEP: 25 AUG 83 MIAMI, FL
ARR: 31 AUG 83 MIAMI, FL
BIO-ACOUSTIC RESEARCH - REEFS ALONG SOUTH FLORIDA COASTLINE 6
AREA INDEX: NA9

OCEANOGRAPHIC RESEARCH — DR LEAMAN — NSF

DEP: 12 SEP 83 MIAMI, FL
ARR: 23 SEP 83 MIAMI, FL
PEGASUS VELOCITY PROFILES - 27N FLORIDA STRAITS 11
AREA INDEX: NA9

OCEANOGRAPHIC RESEARCH — DR MYRBERG — NSF

DEP: 04 OCT 83 MIAMI, FL
ARR: 10 OCT 83 MIAMI, FL
BIO-ACOUSTIC RESEARCH - REEFS ALONG SOUTH FLORIDA COASTLINE 6
AREA INDEX: NA9

OCEANOGRAPHIC RESEARCH — DR KREMER — NSF

DEP: 19 OCT 83 MIAMI, FL
ARR: 28 OCT 83 MIAMI, FL
COLLECT & STUDY CTENOPHORE BOLINOPS VITREA. BAHAMAS/DRY TORTUGAS 9

AREA INDEX: NA9
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## CAPE FLORIDA

### POINT OF CONTACT INFORMATION

| | |
|---|---|
| POC: | MR JAMES GIBBONS |
| POC OFFICE: | MARINE OPERATIONS MANAGER, RSMAS |
| POC ORGANIZATION: | UNIVERSITY OF MIAMI |
| POC ADDRESS: | 10 RICKENBACKER CAUSEWAY |
| POC CITY/STATE: | MIAMI FL 33149 |
| COMMERCIAL AREA CODE: | 305 |
| PHONE: | 350-7223 |

### ADMINISTRATIVE DETAILS

| | |
|---|---|
| COMMON SHIP NAME: | FLORIDA |
| DESIGNATOR: | - |
| CLASS: | COASTAL ZONE R/V |
| CALL SIGN (INTERNATIONAL): | - |
| FLEET: | UNOLS |
| SHIP TYPE: | OCEAN RESEARCH - COASTAL ZONE |
| SHIP OWNER: | NATIONAL SCIENCE FOUNDATION |
| CERTIFICATION AUTHORITY: | - |
| FLAG REGISTRY: | USA |
| HOME PORT: | MIAMI FL USA |
| TECHNICAL SPONSOR: | U UNIV. OF MIAMI |
| OPERATIONS CONTROL: | U UNIV. OF MIAMI |
| CONTRACTUAL INFORMATION: | NSF CHARTER PARTY AGREEMENT. EXPIRES 1986. |
| OPERATING COST/DAY: | - |
| SCIENTIFIC COMPLEMENT: | 12 |
| NUMBER OFFICERS: | - |
| NUMBER IN CREW: | 9 |
| MAX SEA STATE: | 7 BEAUFORT SCALE |
| ENDURANCE: | 21 DAY(S) |
| LIMITING FACTOR: | DRY STORES |
| BUILDER: | ATLANTIC MARINE INC. |
| WHERE BUILT: | FORT GEORGE ISLAND FL |
| INITIAL COST: | 6.0/81 MILLION $'S IN YEAR |
| DUE DATE: | - |
| KEEL DATE: | 15 JUN 80 |
| LAUNCH DATE: | - |
| DELIVERY DATE: | 01 AUG 81 |
| COMMISSION DATE: | - |
| CONVERSION DATE: | - |
| LAST OVERHAUL: | - |
| MAINTENANCE CYCLE: | - YEARS |
| END OF LIFE: | - |
| UPDATE OF INFORMATION: | 16 DEC 82 |

### SHIP DIMENSIONS

| | |
|---|---|
| LENGTH: | 135.0 FEET |
| MAX BEAM: | 32.0 FEET |
| HEIGHT: | - FEET |
| GROSS TONNAGE: | 294 |
| DISPLACEMENT: | 539 TONS |
| DRAUGHT: | 9.0 FEET |
| CRUISE SPEED: | 11.0 KNOTS |
| RANGE: | 7680 NAUTICAL MILES |
| MAX SPEED: | 12.5 KNOTS |
| MIN SPEED: | 0.1 KNOTS |

## ENGINEERING/DECK EQUIPMENT

| | | |
|---|---|---|
| MAIN PROPULSION: | DIESEL | |
| AUXILIARY PROPULSION: | - | |
| NUMBER OF SHAFTS: | 2 | |
| FUEL TYPE: | - | |
| BOW THRUSTER: | - | |
| ACTIVE RUDDER: | - | |
| DYNAMIC POSITIONING: | - | |
| ANTI-ROLL: | - | |
| STABILIZER: | - | |
| DEEP ANCHOR: | - | FEET |
| BERTHING VAN DIMENSIONS: | - | |
| INSTRUMENT VAN DIMENSIONS: | - | |
| WET-LAB: | Y | |
| DRY-LAB: | Y | |
| AMMUNITION STORAGE: | - | |
| HELO SUPPORT: | - | |
| METEOROLOGICAL OBSERVATIONS: | - | |

UTILITY BOATS:

1. 18 FOOT RUBBER INFLATABLE
2. 18 FOOT RUBBER INFLATABLE

A, U, OR L FRAMES

| | | |
|---|---|---|
| MAX HOIST CAPACITY: | 20000 | POUNDS |
| NUMBER OF FRAMES: | 1 | |

CRANES OR BOOMS

| | | |
|---|---|---|
| MAX HOIST CAPACITY: | 16200 | POUNDS |
| NUMBER OF CRANES: | 2 | |

WINCHES:

| | | |
|---|---|---|
| 01. MAJOR TYPE/USE: | OCEANOGRAPHIC | |
| SECONDARY TYPE/USE: | UNKNOWN | |
| SLIP-RINGS: | N | |
| TYPE WIRE: | WIRE ROPE | |
| WIRE LENGTH: | 33000 | FEET |
| WIRE DIAMETER: | 0.500 | INCHES |
| 02. MAJOR TYPE/USE: | HYDROGRAPHIC | |
| SECONDARY TYPE/USE: | UNKNOWN | |
| SLIP-RINGS: | Y | |
| TYPE WIRE: | WIRE ROPE | |
| WIRE LENGTH: | 33000 | FEET |
| WIRE DIAMETER: | 0.187 | INCHES |
| SECONDARY WIRE LEN: | 11880 | FEET |
| SECONDARY WIRE DIAM: | 0.312 | INCHES |
| 03. MAJOR TYPE/USE: | HYDROGRAPHIC | |
| SECONDARY TYPE/USE: | UNKNOWN | |
| SLIP-RINGS: | Y | |
| TYPE WIRE: | WIRE ROPE | |
| WIRE LENGTH: | 24750 | FEET |
| WIRE DIAMETER: | 0.187 | INCHES |
| SECONDARY WIRE LEN: | 8910 | FEET |
| SECONDARY WIRE DIAM: | 0.312 | INCHES |

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## ELECTRONIC EQUIPMENT

| | |
|---|---|
| COMPUTERS: | - |
| FACSIMILE: | Y |
| ELECTROMAGNETIC LOG: | - |
| INERTIAL NAVIGATION: | - |
| RADAR (SURFACE SCAN): | Y |
| LORAN A: | - |
| LORAN C: | Y |
| OMEGA: | - |
| SATELLITE NAVIGATION: | Y |
| RADIO TELETYPE COMMUNICATION: | - |
| SINGLE SIDE BAND: | Y |
| VHF COMMUNICATIONS: | Y |
| STABLE TABLE: | - |
| NARROW BEAM: | Y |
| SEISMIC PROFILING: | - |
| SIDE SCAN: | - |
| SOUNDING SYSTEM (SHALLOW): | - |
| SOUNDING SYSTEM (DEEP): | RAYTHEON/EDO |

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CAPE FLORIDA LAST CHANGED 07 DEC 82

OPS SCHEDULE FOR PERIOD
01 JAN 83 THRU 31 DEC 83

OCEANOGRAPHIC RESEARCH F SCHOTT ONR

DEP: 25 JAN 83 MIAMI, FL PLACE DOPPLER CURRENT PROFILING & M
ARR: 29 JAN 83 MIAMI, FL ING DEPLOYMENTS. GULF STREAM 4
AREA INDEX: NA6 NA9

OCEANOGRAPHIC RESEARCH J MCCLEAVE NSF

DEP: 09 FEB 83 MIAMI, FL SAMPLE SPAWNING AMER.& EUROPEAN EEL
ARR: 01 MAR 83 MIAMI, FL THERMAL FRONT. S. SARGASSO SEA 20
AREA INDEX: NA6 NA9

OCEANOGRAPHIC RESEARCH S GRUBER NSF

DEP: 09 MAR 83 MIAMI, FL STUDY LEMON SHARK AS PREDATOR IN TR
ARR: 23 MAR 83 MIAMI, FL MARINE ENVIRN. BAHAMA & FL KEY 14
AREA INDEX: NA9

OCEANOGRAPHIC RESEARCH J MCCLEAVE NSF

DEP: 31 MAR 83 MIAMI, FL SAMPLE SPAWNING AMER.& EUROPEAN EEL
ARR: 20 APR 83 MIAMI, FL THERMAL FRONT. S. SARGASSO SEA 20
AREA INDEX: NA6 NA9

OCEANOGRAPHIC RESEARCH R COLWELL NSF

DEP: 27 APR 83 MIAMI, FL STUDIES OF MARINE BACTERIA, PUERTO
ARR: 10 MAY 83 MIAMI, FL TRENCH. PUERTO RICO PORT CALL 13
AREA INDEX: NA9

OCEANOGRAPHIC RESEARCH L FARMER NSF

DEP: 21 MAY 83 MIAMI, FL UNDERGRADUATE MARINE SCIENCE PROGRA
ARR: 28 MAY 83 MIAMI, FL TRAINING. FLORIDA STRAITS 7
AREA INDEX: NA9

OCEANOGRAPHIC RESEARCH S GRUBER NSF

DEP: 19 JUN 83 MIAMI, FL STUDY LEMON SHARK AS PREDATOR IN TR
ARR: 03 JUL 83 MIAMI, FL MARINE ENVIRN. BAHAMA & FL KEY 14
AREA INDEX: NA9

OCEANOGRAPHIC RESEARCH R HOUGHTON NSF

DEP: 10 JUL 83 MIAMI, FL HYDRO. & NUTRIENT CHEMISTRY. N.Y. B
ARR: 01 AUG 83 MIAMI, FL OFF LONG IS. PORT CALLS TBD 22

AREA INDEX: NA9 NA6

OCEANOGRAPHIC RESEARCH S GRUBER NSF

DEP: 06 SEP 83 MIAMI, FL STUDY LEMON SHARK AS PREDATOR IN TR
ARR: 20 SEP 83 MIAMI, FL MARINE ENVIRN. BAHAMA & FL KEY 14
AREA INDEX: NA9

OCEANOGRAPHIC RESEARCH R HODSON NSF

DEP: 01 OCT 83 MIAMI, FL STUDY DECOMPOSITION OF ORGANIC COMP
ARR: 10 OCT 83 MIAMI, FL OFF SAVANNAH 9
AREA INDEX: NA6 NA9

OCEANOGRAPHIC RESEARCH A MITSUI NSF

DEP: 19 OCT 83 MIAMI, FL USE OF MARINE BLUE GREEN ALGAE FOR
ARR: 02 NOV 83 MIAMI, FL CULTURE. BAHAMAS 14
AREA INDEX: NA6 NA9

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## COLUMBUS ISELIN

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### POINT OF CONTACT INFORMATION

| | |
|---|---|
| POC: | MR JAMES GIBBONS |
| POC OFFICE: | OPERATIONS MANAGER, RSMAS |
| POC ORGANIZATION: | UNIVERSITY OF MIAMI |
| POC ADDRESS: | 10 RICKENBACKER CAUSEWAY |
| POC CITY/STATE: | MIAMI FL 33149 |
| COMMERCIAL AREA CODE: | 305 |
| PHONE: | 350-7223 |

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### ADMINISTRATIVE DETAILS

| | | |
|---|---|---|
| COMMON SHIP NAME: | ISELIN | |
| DESIGNATOR: | ORV | |
| CLASS: | - | |
| CALL SIGN (INTERNATIONAL): | - | |
| FLEET: | UNOLS | |
| SHIP TYPE: | OCEAN RESEARCH-GENERAL | |
| SHIP OWNER: | UNIV. OF MIAMI | |
| CERTIFICATION AUTHORITY: | AMERICAN BUREAU OF SHIPPING | |
| FLAG REGISTRY: | USA | |
| HOME PORT: | MIAMI FL | |
| TECHNICAL SPONSOR: | U UNIV. OF MIAMI | |
| OPERATIONS CONTROL: | UNIV. OF MIAMI | |
| CONTRACTUAL INFORMATION: | NONE | |
| OPERATING COST/DAY: | 3.5/78 | THOUSAND $'S |
| SCIENTIFIC COMPLEMENT: | 13 | |
| NUMBER OFFICERS: | 6 | |
| NUMBER IN CREW: | 6 | |
| MAX SEA STATE: | 5 BEAUFORT SCALE | |
| ENDURANCE: | 30 DAY(S) | |
| LIMITING FACTOR: | CREW | |
| BUILDER: | J BELLINGER SHIPYARDS INC | |
| WHERE BUILT: | JACKSONVILLE FL USA | |
| INITIAL COST: | 14.4/72 MILLION $'S IN YEAR | |
| DUE DATE: | - | |
| KEEL DATE: | 00 FEB 71 | |
| LAUNCH DATE: | 01 MAR 72 | |
| DELIVERY DATE: | 15 SEP 72 | |
| COMMISSION DATE: | - | |
| CONVERSION DATE: | - | |
| LAST OVERHAUL: | - | |
| MAINTENANCE CYCLE: | 1.0 YEARS | |
| END OF LIFE: | 2002 | |
| UPDATE OF INFORMATION: | 16 DEC 82 | |

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### SHIP DIMENSIONS

| | |
|---|---|
| LENGTH: | 170.0 FEET |
| MAX BEAM: | 36.0 FEET |
| HEIGHT: | 60.0 FEET |
| GROSS TONNAGE: | 281 |
| DISPLACEMENT: | 830 TONS |
| DRAUGHT: | 10.5 FEET |
| CRUISE SPEED: | 13.0 KNOTS |
| RANGE: | 9700 NAUTICAL MILES |
| MAX SPEED: | 14.5 KNOTS |
| MIN SPEED: | 1.0 KNOTS |

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ENGINEERING/DECK EQUIPMENT

```
MAIN PROPULSION:                DIESEL GEARED
AUXILIARY PROPULSION:           NO
NUMBER OF SHAFTS:               2
FUEL TYPE:                      2-1 DIESEL/MG-O/LIGHT DO/
BOW THRUSTER:                   TUNNEL
ACTIVE RUDDER:                  N
DYNAMIC POSITIONING:            N
ANTI-ROLL:                      N
STABILIZER:                     N
DEEP ANCHOR:                    NONE  FEET
BERTHING VAN DIMENSIONS:        NO
INSTRUMENT VAN DIMENSIONS:      8X8X20
WET-LAB:                        Y
DRY-LAB:                        Y
AMMUNITION STORAGE:             N
HELO SUPPORT:                   N
METEOROLOGICAL OBSERVATIONS:    -
UTILITY BOATS:
    1. 18 FOOT RUBBER INFLATABLE
A, U, OR L FRAMES
  MAX HOIST CAPACITY:           30000 POUNDS
  NUMBER OF FRAMES:             2
CRANES OR BOOMS
  MAX HOIST CAPACITY:           20000 POUNDS
  NUMBER OF CRANES:             2
WINCHES:
    01. MAJOR TYPE/USE:         TRAWL
        SECONDARY TYPE/USE:     DREDGE
        SLIP-RINGS:             N
        TYPE WIRE:              WIRE ROPE
        WIRE LENGTH:            33000 FEET
        WIRE DIAMETER:          0.500 INCHES
    02. MAJOR TYPE/USE:         HYDROGRAPHIC
        SECONDARY TYPE/USE:     OCEANOGRAPHIC
        SLIP-RINGS:             Y
        TYPE WIRE:              WIRE ROPE
        WIRE LENGTH:            33000 FEET
        WIRE DIAMETER:          0.187 INCHES
    03. MAJOR TYPE/USE:         HYDROGRAPHIC
        SECONDARY TYPE/USE:     OCEANOGRAPHIC
        SLIP-RINGS:             Y
        TYPE WIRE:              WIRE ROPE
        WIRE LENGTH:            33000 FEET
        WIRE DIAMETER:          0.187 INCHES
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ELECTRONIC EQUIPMENT

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COMPUTERS:                      NONE
FACSIMILE:                      Y
ELECTROMAGNETIC LOG:            N
INERTIAL NAVIGATION:            N
RADAR (SURFACE SCAN):           Y
LORAN A:                        N
LORAN C:                        Y
OMEGA:                          N
SATELLITE NAVIGATION:           Y
RADIO TELETYPE COMMUNICATION:   N
SINGLE SIDE BAND:               Y
VHF COMMUNICATIONS:             Y
STABLE TABLE:                   N
NARROW BEAM:                    N
SEISMIC PROFILING:              N
SIDE SCAN:                      N
SOUNDING SYSTEM (SHALLOW):      RAYTHEON
SOUNDING SYSTEM (DEEP):         EDO,GIFFT
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COLUMBUS ISELIN LAST CHANGED 07 DEC 82

OPS SCHEDULE FOR PERIOD
01 JAN 83 THRU 31 DEC 83

OCEANOGRAPHIC RESEARCH — W SCHLAGER — NSF

DEP: 11 JAN 83 MIAMI, FL — PISTON CORES OF SEDIMENTS. DEEP WAT
ARR: 24 JAN 83 MIAMI, FL — TROUGHS OF BAHAMAS ARCHIPELAGO 13
AREA INDEX: NA9

OCEANOGRAPHIC RESEARCH — HARBISON — NSF

DEP: 04 FEB 83 MIAMI, FL — BIOLOGY OF GELATINOUS ZOOPLANKTON
ARR: 18 FEB 83 BERMUDA — SARGASSO SEA 14
AREA INDEX: NA9 NA6

OCEANOGRAPHIC RESEARCH — MADIN — NSF

DEP: 21 FEB 83 BERMUDA — IN SITU & LAB STUDIES OCEANIC PLANK
ARR: 12 MAR 83 WOODS HOLE — SARGASSO SEA, BERMUDA TO WHOI 19
AREA INDEX: NA9 NA6

OCEANOGRAPHIC RESEARCH — N HOGG — ONR/NSF

DEP: 16 MAR 83 WOODS HOLE — DEPLOY 11 MOORINGS 60-70W, 35-40N.
ARR: 25 MAR 83 WOODS HOLE — NEW ENGLAND SEAMOUNT CHAIN 9
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH — S WATSON — NSF

DEP: 28 MAR 83 WOODS HOLE — STUDY ROLE OF CYANOBACTERIA IN THE
ARR: 10 APR 83 WOODS HOLE — SARGASSO SEA 13

AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH — NSF

DEP: 13 APR 83 WOODS HOLE — TRANSIT
ARR: 14 APR 83 NARRAGANSETT, RI 1
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH — R WATTS — NSF

DEP: 16 APR 83 NARRAGANSETT, RI — RECOVER/RESET ECHO SOUNDER ARRAY &
ARR: 26 APR 83 NARRAGANSETT, RI — GULF STREAM, NE OF C. HATTERAS 10
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH — NSF

DEP: 28 APR 83 NARRAGANSETT, RI — TRANSIT
ARR: 02 MAY 83 MIAMI, FL 4
AREA INDEX: NA6 NA9

OCEANOGRAPHIC RESEARCH — C NITTROUER — NSF

DEP: 12 MAY 83 MIAMI, FL — EXAMINE OCEANOGRAPHIC PROCESSES
ARR: 22 MAY 83 BELEM, BRAZIL — AMAZON CONTINENTAL SHELF LEG I 10
AREA INDEX: NA9 NA10 SA1

DEP: 25 MAY 83 BELEM, BR — CONTINUE AMAZON CONTINENTAL SHELF
ARR: 13 JUN 83 BELEM, BR — STUDIES. LEG II 19
AREA INDEX: SA1 NA10

DEP: 17 JUN 83 BELEM, BR — CONTINUE AMAZON CONTINENTAL SHELF
ARR: 06 JUL 83 BELEM, BR — STUDIES. LEG III 19
AREA INDEX: SA1 NA10

OCEANOGRAPHIC RESEARCH | HARRISON | NSF

DEP: 10 JUL 83 BELEM, BR
ARR: 03 AUG 83 BARBADOS
AREA INDEX: SA1 NA10 NA9
BIOLOGY OF GELATINOUS ZOOPLANKTON CARIBBEAN SEA 24

OCEANOGRAPHIC RESEARCH | DEUSER | NSF

DEP: 07 AUG 83 BARBADOS
ARR: 16 AUG 83 MIAMI, FL
AREA INDEX: NA9
RECOVER SEDIMENT TRAP OFF BARBADOS 9

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## CAYUSE

### POINT OF CONTACT INFORMATION

| | |
|---|---|
| POC: | MS GAIL LIRAGIS |
| POC OFFICE: | SHIP SCHEDULER |
| POC ORGANIZATION: | MOSS LANDING MARINE LABORATORY |
| POC ADDRESS: | P O BOX 223 |
| POC CITY/STATE: | MOSS LANDING CA 95039 |
| FTS PREFIX: | 408 |
| COMMERCIAL AREA CODE: | 408 |
| PHONE: | 633-3304 |

### ADMINISTRATIVE DETAILS

| | |
|---|---|
| DESIGNATOR: | RV |
| CLASS: | PURSE SEINER |
| CALL SIGN (INTERNATIONAL): | - |
| FLEET: | UNOLS |
| SHIP TYPE: | OCEANOGRAPHIC MOTOR VESSEL |
| SHIP OWNER: | NATIONAL SCIENCE FOUNDATION |
| CERTIFICATION AUTHORITY: | - |
| FLAG REGISTRY: | USA |
| HOME PORT: | MOSS LANDING CA |
| TECHNICAL SPONSOR: | U MOSS LANDING MARINE LABORATORY |
| OPERATIONS CONTROL: | MOSS LANDING MARINE LABORATORY |
| CONTRACTUAL INFORMATION: | NONE |
| OPERATING COST/DAY: | 2.0'78 THOUSAND $'S |
| SCIENTIFIC COMPLEMENT: | 8 |
| NUMBER OFFICERS: | 4 |
| NUMBER IN CREW: | 3 |
| MAX SEA STATE: | 4 BEAUFORT SCALE |
| ENDURANCE: | 20 DAY(S) |
| LIMITING FACTOR: | STORES |
| BUILDER: | ALBINA ENGINE AND MACHINE WORKS |
| WHERE BUILT: | PORTLAND OR USA |
| INITIAL COST: | - |
| DUE DATE: | - |
| KEEL DATE: | - |
| LAUNCH DATE: | '68 |
| DELIVERY DATE: | '68 |
| COMMISSION DATE: | - |
| CONVERSION DATE: | - |
| LAST OVERHAUL: | 23 DEC 80 |
| MAINTENANCE CYCLE: | 2.0 YEARS |
| END OF LIFE: | 1993 |
| UPDATE OF INFORMATION: | 25 OCT 82 |

### SHIP DIMENSIONS

| | |
|---|---|
| LENGTH: | 80.0 FEET |
| MAX BEAM: | 24.0 FEET |
| HEIGHT: | - FEET |
| GROSS TONNAGE: | 165 |
| DISPLACEMENT: | 173 TONS |
| DRAUGHT: | 10.0 FEET |
| CRUISE SPEED: | 9.0 KNOTS |
| RANGE: | 4500 NAUTICAL MILES |
| MAX SPEED: | 10.0 KNOTS |
| MIN SPEED: | 0.5 KNOTS |

ENGINEERING/DECK EQUIPMENT

| | |
|---|---|
| MAIN PROPULSION: | DIESEL GEARED |
| AUXILIARY PROPULSION: | BOW THRUSTER |
| NUMBER OF SHAFTS: | 1 |
| FUEL TYPE: | 2 DIESEL |
| BOW THRUSTER: | RETRACTABLE |
| ACTIVE RUDDER: | N |
| DYNAMIC POSITIONING: | N |
| ANTI-ROLL: | N |
| STABILIZER: | N |
| DEEP ANCHOR: | NONE FEET |
| BERTHING VAN DIMENSIONS: | NO |
| INSTRUMENT VAN DIMENSIONS: | NO |
| WET-LAB: | Y |
| DRY-LAB: | Y |
| AMMUNITION STORAGE: | N |
| HELO SUPPORT: | N |
| METEOROLOGICAL OBSERVATIONS: | - |
| UTILITY BOATS: | |
| 1. 14 FOOT BOSTON WHALER | |
| A, U, OR L FRAMES | |
| MAX HOIST CAPACITY: | 2000 POUNDS |
| NUMBER OF FRAMES: | 1 |
| CRANES OR BOOMS | |
| MAX HOIST CAPACITY: | 6000 POUNDS |
| NUMBER OF CRANES: | 2 |
| WINCHES: | |
| 01. MAJOR TYPE/USE: | TRAWL |
| SECONDARY TYPE/USE: | UNKNOWN |
| SLIP-RINGS: | N |
| TYPE WIRE: | WIRE ROPE |
| WIRE LENGTH: | 19800 FEET |
| WIRE DIAMETER: | 0.375 INCHES |
| 02. MAJOR TYPE/USE: | HYDROGRAPHIC |
| SECONDARY TYPE/USE: | UNKNOWN |
| SLIP-RINGS: | 4 |
| TYPE WIRE: | WIRE ROPE |
| WIRE LENGTH: | 2970 FEET |
| WIRE DIAMETER: | 5.219 INCHES |
| SECONDARY WIRE LEN: | 9900 FEET |
| SECONDARY WIRE DIAM: | 0.187 INCHES |

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ELECTRONIC EQUIPMENT

| | |
|---|---|
| COMPUTERS: | NONE |
| FACSIMILE: | Y |
| ELECTROMAGNETIC LOG: | Y |
| INERTIAL NAVIGATION: | N |
| RADAR (SURFACE SCAN): | Y |
| LORAN A: | N |
| LORAN C: | Y |
| OMEGA: | N |
| SATELLITE NAVIGATION: | Y |
| RADIO TELETYPE COMMUNICATION: | N |
| SINGLE SIDE BAND: | Y |
| VHF COMMUNICATIONS: | Y |
| STABLE TABLE: | N |
| NARROW BEAM: | N |
| SEISMIC PROFILING: | Y |
| SIDE SCAN: | N |
| SOUNDING SYSTEM (SHALLOW): | ROSS |
| SOUNDING SYSTEM (DEEP): | JRC/RAYTHEON |

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CAYUSE LAST CHANGED 02 DEC 82

OPS SCHEDULE FOR PERIOD
01 JAN 83 THRU 31 DEC 83

OUT OF SERVICE MLML

DEP: 03 JAN 83 MOSS LANDING, CA CRANE INSTALLATION
ARR: 20 FEB 83 MOSS LANDING, CA 48
AREA INDEX: NP9

OCEANOGRAPHIC RESEARCH K JOHNSON UCSB

DEP: 21 FEB 83 MOSS LANDING, CA SEAWATER NUTRIENTS
ARR: 25 FEB 83 MOSS LANDING, CA MONTEREY TO POINT CONCEPTION 4
AREA INDEX: NP9

OCEANOGRAPHIC RESEARCH M CARLIN CITY OF S.F.

DEP: 28 FEB 83 MOSS LANDING, CA OUT FALL MONITORING - SAN FRANCISCO
ARR: 04 MAR 83 MOSS LANDING, CA 5
AREA INDEX: NP9

OCEANOGRAPHIC RESEARCH ARMY CORPS OF

DEP: 07 MAR 83 MOSS LANDING, CA DREDGE DISPOSAL STUDY-OFF FARALLON
ARR: 13 MAR 83 MOSS LANDING, CA 7
AREA INDEX: NP9

OCEANOGRAPHIC RESEARCH G KNAUER MLML

DEP: 21 MAR 83 MOSS LANDING, CA BIOLOGICAL OCEANOGRAPHY-OFF CENTRAL
ARR: 25 MAR 83 MOSS LANDING, CA 4
AREA INDEX: NP9

OPEN

DEP: 28 MAR 83 MOSS LANDING, CA OPEN
ARR: 15 APR 83 MOSS LANDING, CA 19
AREA INDEX: OPEN

OCEANOGRAPHIC RESEARCH B WURSIG MLML

DEP: 16 APR 83 MOSS LANDING, CA MLML CONSORTIUM CRUISE
ARR: 17 APR 83 MOSS LANDING, CA 2
AREA INDEX: NP9

OPEN

DEP: 18 APR 83 MOSS LANDING, CA OPEN
ARR: 30 APR 83 MOSS LANDING, CA 13
AREA INDEX: OPEN

OCEANOGRAPHIC RESEARCH B PREZELIN UC SB

DEP: 01 MAY 83 MOSS LANDING, CA PHOTONUTRITIVE REGULATION. SANTA BA
ARR: 14 MAY 83 MOSS LANDING, CA BASIN. PT HUENEME PORT CALLS 14
AREA INDEX: NP9

OCEANOGRAPHIC RESEARCH J BROENKOW MLML

DEP: 23 MAY 83 MOSS LANDING, CA VERTICAL TRANSPORT(VERTEX)-MONTEREY
ARR: 27 MAY 83 MOSS LANDING, CA 4
AREA INDEX: NP9

OCEANOGRAPHIC RESEARCH M CARLIN CITY OF S.F.

```
DEP: 30 MAY 83 MOSS LANDING, CA     OUTFALL MONITORING-SAN FRANCISCO BA
ARR: 03 JUN 83 MOSS LANDING, CA                                      4
AREA INDEX: NP9
     ..........................................
OCEANOGRAPHIC RESEARCH           G KNAUER                MLML

DEP: 06 JUN 83 MOSS LANDING, CA     BIOLOGICAL OCEANOGRAPHY-OFF CENTRAL
ARR: 10 JUN 83 MOSS LANDING, CA                                      4
AREA INDEX: NP9
     ..........................................
OCEANOGRAPHIC RESEARCH                                   ARMY CORPS OF

DEP: 12 JUN 83 MOSS LANDING, CA     DREDGE DISPOSAL STUDY-OFF FARALLON
ARR: 18 JUN 83 MOSS LANDING, CA                                      7
AREA INDEX: NP9
     ..........................................
OCEANOGRAPHIC RESEARCH           W BROENKOW              MLML

DEP: 20 JUN 83 MOSS LANDING, CA     VERTICAL TRANSPORT(VERTEX)-MONTEREY
ARR: 24 JUN 83 MOSS LANDING, CA                                      4
AREA INDEX: NP9
     ..........................................
OCEANOGRAPHIC RESEARCH           W BROENKOW/J MARTIN     MLML

DEP: 06 JUL 83 MOSS LANDING, CA     VERTICAL TRANSPORT(VERTEX) - 28N, 1
ARR: 06 SEP 83 MOSS LANDING, CA     PORT CALLS IN HONOLULU          62
AREA INDEX: NP9   NP12
     ..........................................
OCEANOGRAPHIC RESEARCH           K JOHNSON               UCSB

DEP: 19 SEP 83 MOSS LANDING, CA     SEAWATER NUTRIENTS
ARR: 23 SEP 83 MOSS LANDING, CA     MONTEREY TO POINT CONCEPTION     4
AREA INDEX: NP9
     ..........................................
OPEN

DEP: 26 SEP 83 MOSS LANDING, CA     OPEN
ARR: 30 SEP 83 MOSS LANDING, CA                                      5
AREA INDEX: OPEN
     ..........................................
OCEANOGRAPHIC RESEARCH           G KNAUER                MLML

DEP: 03 OCT 83 MOSS LANDING, CA     BIOLOGICAL OCEANOGRAPHY-OFF CENTRAL
ARR: 07 OCT 83 MOSS LANDING, CA                                      4
AREA INDEX: NP9
     ..........................................
OPEN

DEP: 17 OCT 83 MOSS LANDING, CA     OPEN
ARR: 04 NOV 83 MOSS LANDING, CA                                     18
AREA INDEX: OPEN
     ..........................................
OCEANOGRAPHIC RESEARCH           J MARTIN/G KNAUER       MLML

DEP: 07 NOV 83 MOSS LANDING, CA     VERTICAL TRANSPORT(VERTEX)
ARR: 14 NOV 83 MOSS LANDING, CA     OFF CENTRAL CALIFORNIA           7
AREA INDEX: NP9
     ..........................................
OPEN


DEP: 15 NOV 83 MOSS LANDING, CA     OPEN
ARR: 31 DEC 83 MOSS LANDING, CA                                     46
AREA INDEX: OPEN
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## WECOMA

### POINT OF CONTACT INFORMATION

| | |
|---|---|
| POC: | CAPT K PALFREY |
| POC OFFICE: | MARINE SUPERINTENDENT |
| POC ORGANIZATION: | OREGON STATE U. SCH OF OCEANOGRAPHY |
| POC ADDRESS: | MARINE SCIENCE CENTER |
| POC CITY/STATE: | NEWPORT OR 97365 |
| FTS PREFIX: | 503 |
| COMMERCIAL AREA CODE: | 503 |
| PHONE: | 867-3011 |

### ADMINISTRATIVE DETAILS

| | |
|---|---|
| DESIGNATOR: | RV |
| CLASS: | OCEANUS |
| CALL SIGN (INTERNATIONAL): | KRSF |
| FLEET: | UNOLS |
| SHIP TYPE: | OCEAN RESEARCH-GENERAL |
| SHIP OWNER: | NSF |
| CERTIFICATION AUTHORITY: | - |
| FLAG REGISTRY: | USA |
| HOME PORT: | NEWPORT OR |
| TECHNICAL SPONSOR: | U OREGON STATE UNIVERSITY |
| OPERATIONS CONTROL: | OREGON STATE UNIVERSITY |
| CONTRACTUAL INFORMATION: | NONE |
| OPERATING COST/DAY: | 7.0/82 THOUSAND $'S |
| SCIENTIFIC COMPLEMENT: | 16 |
| NUMBER OFFICERS: | 0 |
| NUMBER IN CREW: | 13 |
| MAX SEA STATE: | 6 BEAUFORT SCALE |
| ENDURANCE: | 30 DAY(S) |
| LIMITING FACTOR: | FUEL |
| BUILDER: | PETERSON BUILDERS |
| WHERE BUILT: | USA |
| INITIAL COST: | 3.1/75 MILLION $'S IN YEAR |
| DUE DATE: | - |
| KEEL DATE: | - |
| LAUNCH DATE: | '75 |
| DELIVERY DATE: | '75 |
| COMMISSION DATE: | - |
| CONVERSION DATE: | - |
| LAST OVERHAUL: | '81 |
| MAINTENANCE CYCLE: | 2.0 YEARS |
| END OF LIFE: | 2001 |
| UPDATE OF INFORMATION: | 01 NOV 82 |

### SHIP DIMENSIONS

| | |
|---|---|
| LENGTH: | 177.0 FEET |
| MAX BEAM: | 33.0 FEET |
| HEIGHT: | - FEET |
| GROSS TONNAGE: | 289 |
| DISPLACEMENT: | 1015 TONS |
| DRAUGHT: | 18.6 FEET |
| CRUISE SPEED: | 11.5 KNOTS |
| RANGE: | 7500 NAUTICAL MILES |
| MAX SPEED: | 14.5 KNOTS |
| MIN SPEED: | 1.0 KNOTS |

## ENGINEERING/DECK EQUIPMENT

| | |
|---|---|
| MAIN PROPULSION: | DIESEL GEARED |
| AUXILIARY PROPULSION: | NO |
| NUMBER OF SHAFTS: | 1 |
| FUEL TYPE: | 2 DIESEL/JP-5 |
| BOW THRUSTER: | TRAINABLE |
| ACTIVE RUDDER: | N |
| DYNAMIC POSITIONING: | N |
| ANTI-ROLL: | N |
| STABILIZER: | N |
| DEEP ANCHOR: | NONE FEET |
| BERTHING VAN DIMENSIONS: | NO |
| INSTRUMENT VAN DIMENSIONS: | 20X8X8 |
| WET-LAB: | Y |
| DRY-LAB: | Y |
| AMMUNITION STORAGE: | N |
| HELO SUPPORT: | N |
| METEOROLOGICAL OBSERVATIONS: | SURFACE |
| UTILITY BOATS: | |
| 1. 13 FOOT SKIFF | |
| A, U, OR L FRAMES | |
| MAX HOIST CAPACITY: | 6000 POUNDS |
| NUMBER OF FRAMES: | 1 |
| CRANES OR BOOMS | |
| MAX HOIST CAPACITY: | 30000 POUNDS |
| NUMBER OF CRANES: | 1 |
| WINCHES: | |
| 01. MAJOR TYPE/USE: | CORING |
| SECONDARY TYPE/USE: | TRAWL |
| SLIP-RINGS: | N |
| TYPE WIRE: | WIRE ROPE |
| WIRE LENGTH: | 30000 FEET |
| WIRE DIAMETER: | 0.500 INCHES |
| 02. MAJOR TYPE/USE: | TRAWL |
| SECONDARY TYPE/USE: | UNKNOWN |
| SLIP-RINGS: | 4 |
| TYPE WIRE: | WIRE ROPE |
| WIRE LENGTH: | 20000 FEET |
| WIRE DIAMETER: | 0.375 INCHES |
| 03. MAJOR TYPE/USE: | HYDROGRAPHIC |
| SECONDARY TYPE/USE: | UNKNOWN |
| SLIP-RINGS: | 4 |
| TYPE WIRE: | WIRE ROPE |
| WIRE LENGTH: | 30000 FEET |
| WIRE DIAMETER: | 0.187 INCHES |
| SECONDARY WIRE LEN: | 23000 FEET |
| SECONDARY WIRE DIAM: | 0.250 INCHES |

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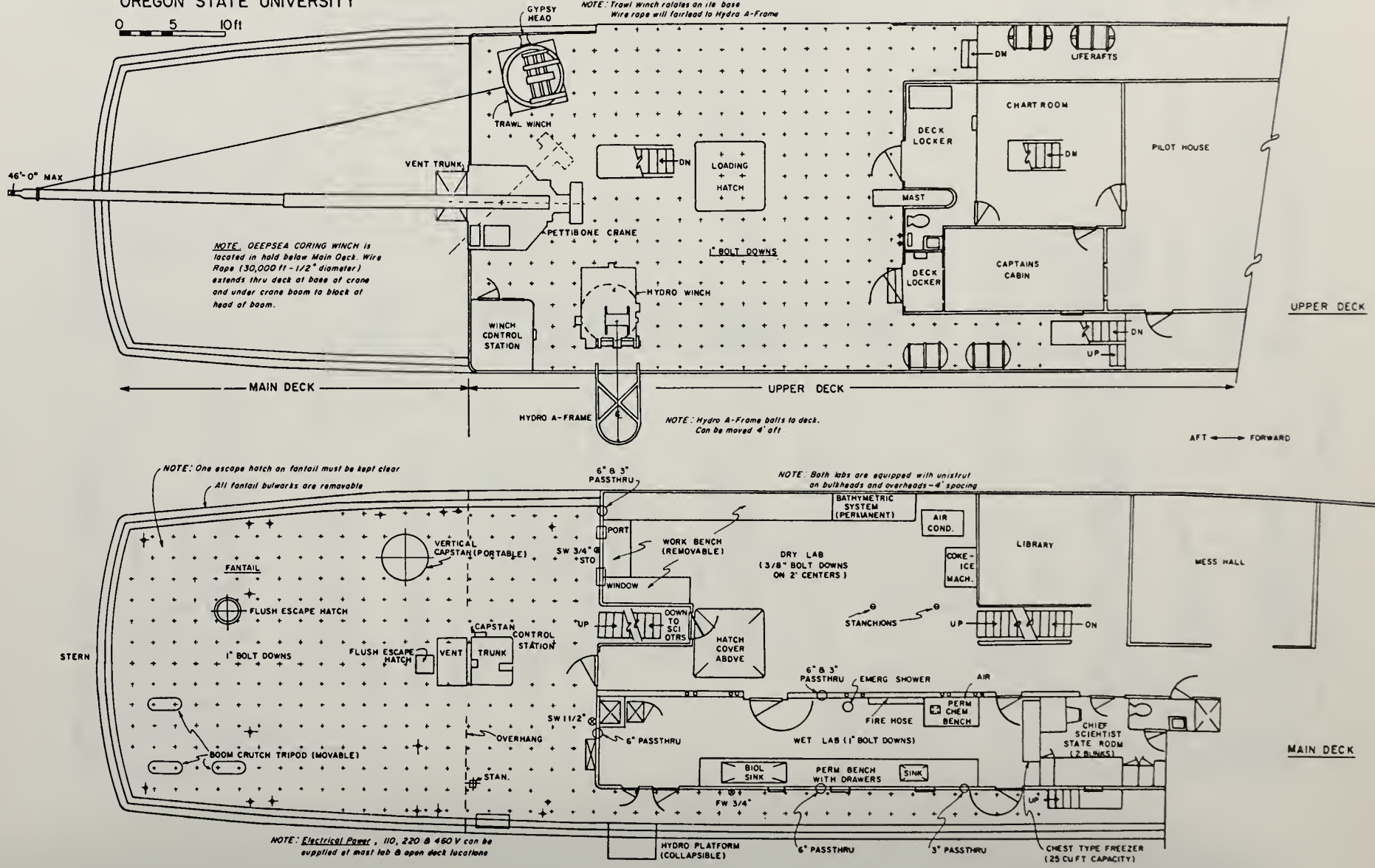
## ELECTRONIC EQUIPMENT

| | |
|---|---|
| COMPUTERS: | NONE |
| FACSIMILE: | Y |
| ELECTROMAGNETIC LOG: | Y |
| INERTIAL NAVIGATION: | N |
| RADAR (SURFACE SCAN): | Y |
| LORAN A: | N |
| LORAN C: | Y |
| OMEGA: | Y |
| SATELLITE NAVIGATION: | Y |
| RADIO TELETYPE COMMUNICATION: | N |
| SINGLE SIDE BAND: | Y |
| VHF COMMUNICATIONS: | Y |
| STABLE TABLE: | N |
| NARROW BEAM: | N |
| SEISMIC PROFILING: | Y |
| SIDE SCAN: | N |
| SOUNDING SYSTEM (SHALLOW): | ROSS |
| SOUNDING SYSTEM (DEEP): | EDO/RAYTHEON |

# R/V WECOMA

## OREGON STATE UNIVERSITY

11 MARCH 1981



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WECOMA LAST CHANGED 09 NOV 82

OPS SCHEDULE FOR PERIOD
01 JAN 83 THRU 31 DEC 83

OUT OF SERVICE OSU

DEP: 14 DEC 82 NEWPORT, OR HOLIDAY INPORT
ARR: 09 JAN 83 NEWPORT, OR 27
AREA INDEX: NP9

OCEANOGRAPHIC RESEARCH ALLEN/SMITH/HUYER NSF

DEP: 10 JAN 83 NEWPORT, OR OFF NO.CALIF/SO.OREGON - LARGE SCAL
ARR: 17 JAN 83 SAN DIEGO, CA WEST COAST SHELF EXP. 8
AREA INDEX: NP9

OCEANOGRAPHIC RESEARCH OSU

DEP: 18 JAN 83 SAN DIEGO, CA TRANSIT TO BALBOA
ARR: 28 JAN 83 BALBOA, CZ 11
AREA INDEX: NP9 NP13

OCEANOGRAPHIC RESEARCH SMITH NSF

DEP: 01 FEB 83 BALBOA, CZ OFF PERU 1N-12S, 85W. EASTERN
ARR: 24 FEB 83 CALLAO, PERU BOUNDARY UNDERCURRENT 24
AREA INDEX: NP13 SP3A

OCEANOGRAPHIC RESEARCH BARBER/SMITH NSF

DEP: 01 MAR 83 CALLAO, PERU OFF ECUADOR & PERU. BIOLOGICAL RESP
ARR: 25 MAR 83 BALBOA, CZ TO VARIABILITY 25
AREA INDEX: SP3A NP13

OCEANOGRAPHIC RESEARCH OSU

DEP: 29 MAR 83 BALBOA, CZ TRANSIT TO SAN DIEGO
ARR: 08 APR 83 SAN DIEGO, CA 11
AREA INDEX: NP13 NP9

OCEANOGRAPHIC RESEARCH ALLEN/SMITH/HUYER NSF

DEP: 08 APR 83 SAN DIEGO, CA N.CAL. CODE & LARGE SCALE WEST COAS
ARR: 12 APR 83 SAN FRANCISCO, CA 5
AREA INDEX: NP9

OCEANOGRAPHIC RESEARCH BEARDSLEY NSF

DEP: 13 APR 83 SAN FRANCISCO, CA N.CAL. CODE & LARGE SCALE WEST COAS
ARR: 15 APR 83 NEWPORT, OR 3
AREA INDEX: NP9

OCEANOGRAPHIC RESEARCH ALLEN/SMITH/HUYER NSF

DEP: 16 APR 83 NEWPORT, OR N.CAL. CODE & LARGE SCALE WEST COAS
ARR: 19 APR 83 NEWPORT, OR 4
AREA INDEX: NP9

OUT OF SERVICE OSU

DEP: 20 APR 83 NEWPORT, OR MAINTENANCE
ARR: 18 MAY 83 NEWPORT, OR 29
AREA INDEX: NP9

OCEANOGRAPHIC RESEARCH ANDERSON DOE

DEP: 19 MAY 83 NEWPORT, OR — SO.WASH. - MECHANISMS OF TRANSFER 0
ARR: 22 MAY 83 NEWPORT, OR — ENERGY 4
AREA INDEX: NP9

OCEANOGRAPHIC RESEARCH — SIEBENALLER — NSF

DEP: 23 MAY 83 NEWPORT, OR — ORE. COAST - BIOCHEMICAL ADAPTATION
ARR: 27 MAY 83 NEWPORT, OR 5
AREA INDEX: NP9

OCEANOGRAPHIC RESEARCH — KULM, ET.AL. — NSF

DEP: 01 JUN 83 NEWPORT, OR — OREGON/WASHINGTON MARGIN
ARR: 26 JUN 83 NEWPORT, OR — SUBDUCTION PROCESSES 26
AREA INDEX: NP9

OUT OF SERVICE — OSU

DEP: 27 JUN 83 NEWPORT, OR — STAGING
ARR: 10 JUL 83 NEWPORT, OR 14
AREA INDEX: NP9

OCEANOGRAPHIC RESEARCH — MARTIN, ET.AL. — NSF

DEP: 11 JUL 83 NEWPORT, OR — VERTEX. NO. OF HAWAII. 32N,158W INP
ARR: 03 SEP 83 NEWPORT, OR — IN HONOLULU & MONTEREY 55
AREA INDEX: NP9 NP8 NP12

OUT OF SERVICE — OSU

DEP: 04 SEP 83 NEWPORT, OR — IN PORT. DRY DOCK PERIOD 10-25 SEP.
ARR: 09 OCT 83 NEWPORT, OR 35
AREA INDEX: NP9

OCEANOGRAPHIC RESEARCH — SIEBENALLER — NSF

DEP: 10 OCT 83 NEWPORT, OR — ORE. COAST
ARR: 14 OCT 83 NEWPORT, OR — BIOCHEMICAL ADAPTATIONS 5
AREA INDEX: NP9

OUT OF SERVICE — OSU

DEP: 15 OCT 83 NEWPORT, OR — STAGING
ARR: 20 OCT 83 NEWPORT, OR 6
AREA INDEX: NP9

OCEANOGRAPHIC RESEARCH — PAULSON, ET.AL. — ONR/NASA

DEP: 21 OCT 83 NEWPORT, OR — OFF SOUTHERN CALIFORNIA
ARR: 18 NOV 83 SAN DIEGO, CA — UPPER OCEAN DYNAMICS 29
AREA INDEX: NP9

OCEANOGRAPHIC RESEARCH — MURRAY, ET.AL. — NSF

DEP: 22 NOV 83 SAN DIEGO, CA — OFF BAJA CALIFORNIA - DIAGENESIS OF
ARR: 21 DEC 83 NEWPORT, OR — NUTRIENTS & GASES 30
AREA INDEX: NP9 NP13

OUT OF SERVICE — OSU

DEP: 22 DEC 83 NEWPORT, OR — HOLIDAY PERIOD.
ARR: 16 JAN 84 NEWPORT, OR 26
AREA INDEX: NP9

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## ENDEAVOR

### POINT OF CONTACT INFORMATION

| | |
|---|---|
| POC: | MR JOHN F BASH |
| POC OFFICE: | ASSISTANT MARINE SUPERINTENDENT |
| POC ORGANIZATION: | GRADUATE SCHOOL OF OCEANOGRAPHY |
| POC ADDRESS: | UNIVERSITY OF RHODE ISLAND |
| POC CITY/STATE: | NARRAGANSETT RI 02882 |
| COMMERCIAL AREA CODE: | 401 |
| PHONE: | 792-6203 |

### ADMINISTRATIVE DETAILS

| | |
|---|---|
| DESIGNATOR: | RV |
| CLASS: | OCEANUS |
| CALL SIGN (INTERNATIONAL): | WVFQ |
| FLEET: | UNOLS |
| SHIP TYPE: | OCEAN RESEARCH-GENERAL |
| SHIP OWNER: | NSF |
| CERTIFICATION AUTHORITY: | AMERICAN BUREAU OF SHIPPING |
| FLAG REGISTRY: | USA |
| HOME PORT: | NARRAGANSETT RI |
| TECHNICAL SPONSOR: | UNIV. OF RHODE ISLAND |
| OPERATIONS CONTROL: | UNIV. OF RHODE ISLAND |
| CONTRACTUAL INFORMATION: | NONE |
| OPERATING COST/DAY: | 6.9/83 THOUSAND $'S |
| SCIENTIFIC COMPLEMENT: | 16 |
| NUMBER OFFICERS: | 6 |
| NUMBER IN CREW: | 6 |
| MAX SEA STATE: | 5 BEAUFORT SCALE |
| ENDURANCE: | 25 DAY(S) |
| LIMITING FACTOR: | REFRIGERATED STORES |
| BUILDER: | PETERSON BUILDERS INC |
| WHERE BUILT: | STURGEON BAY WI USA |
| INITIAL COST: | - |
| DUE DATE: | - |
| KEEL DATE: | 23 JAN 75 |
| LAUNCH DATE: | 06 SEP 75 |
| DELIVERY DATE: | 28 OCT 76 |
| COMMISSION DATE: | - |
| CONVERSION DATE: | - |
| LAST OVERHAUL: | 01 DEC 82 |
| MAINTENANCE CYCLE: | 1.0 YEARS |
| END OF LIFE: | 2001 |
| UPDATE OF INFORMATION: | 15 DEC 82 |

### SHIP DIMENSIONS

| | |
|---|---|
| LENGTH: | 177.0 FEET |
| MAX BEAM: | 33.0 FEET |
| HEIGHT: | 88.2 FEET |
| GROSS TONNAGE: | 293 |
| DISPLACEMENT: | 972 TONS |
| DRAUGHT: | 17.6 FEET |
| CRUISE SPEED: | 12.0 KNOTS |
| RANGE: | 5540 NAUTICAL MILES |
| MAX SPEED: | 15.4 KNOTS |
| MIN SPEED: | 0.1 KNOTS |

ENGINEERING/DECK EQUIPMENT

```
MAIN PROPULSION:                DIESEL GEARED
AUXILIARY PROPULSION:           BOW THRUSTER
NUMBER OF SHAFTS:               1
FUEL TYPE:                      DIESEL 2
BOW THRUSTER:                   TRAINABLE WATER JET
ACTIVE RUDDER:                  Y
DYNAMIC POSITIONING:            N
ANTI-ROLL:                      N
STABILIZER:                     N
DEEP ANCHOR:                    -       FEET
BERTHING VAN DIMENSIONS:        N
INSTRUMENT VAN DIMENSIONS:      8X8X20
WET-LAB:                        Y
DRY-LAB:                        Y
AMMUNITION STORAGE:             N
HELO SUPPORT:                   N
METEOROLOGICAL OBSERVATIONS:    -
UTILITY BOATS:
     1. 13 FOOT RUBBER INFLATABLE
     2. 13 FOOT RUBBER INFLATABLE
A, U, OR L FRAMES
  MAX HOIST CAPACITY:           26000 POUNDS
  NUMBER OF FRAMES:             2
CRANES OR BOOMS
  MAX HOIST CAPACITY:           18000 POUNDS
  NUMBER OF CRANES:             1
WINCHES:
     01. MAJOR TYPE/USE:        STD
         SECONDARY TYPE/USE:    UNKNOWN
         SLIP-RINGS:            4
         TYPE WIRE:             WIRE ROPE
         WIRE LENGTH:           22960 FEET
         WIRE DIAMETER:         0.225 INCHES
         SECONDARY WIRE LEN:    28540 FEET
         SECONDARY WIRE DIAM:   0.182 INCHES
     02. MAJOR TYPE/USE:        HYDROGRAPHIC
         SECONDARY TYPE/USE:    UNKNOWN
         SLIP-RINGS:            4
         TYPE WIRE:             WIRE ROPE
         WIRE LENGTH:           30000 FEET
         WIRE DIAMETER:         0.187 INCHES
         SECONDARY WIRE LEN:    12380 FEET
         SECONDARY WIRE DIAM:   0.312 INCHES
     03. MAJOR TYPE/USE:        DEEP SEA
         SECONDARY TYPE/USE:    TRAWL
         SLIP-RINGS:            N
         TYPE WIRE:             WIRE ROPE
         WIRE LENGTH:           26240 FEET
         WIRE DIAMETER:         7.630 INCHES
         SECONDARY WIRE LEN:    32000 FEET
         SECONDARY WIRE DIAM:   0.500 INCHES
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ELECTRONIC EQUIPMENT

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COMPUTERS:                      NOVA 1220
FACSIMILE:                      Y
ELECTROMAGNETIC LOG:            -
INERTIAL NAVIGATION:            N
RADAR (SURFACE SCAN):           Y
LORAN A:                        N
LORAN C:                        Y
OMEGA:                          N
SATELLITE NAVIGATION:           Y
RADIO TELETYPE COMMUNICATION:   -
SINGLE SIDE BAND:               Y
VHF COMMUNICATIONS:             Y
STABLE TABLE:                   -
NARROW BEAM:                    -
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| | |
|---|---|
| SEISMIC PROFILING: | Y |
| SIDE SCAN: | - |
| SOUNDING SYSTEM (SHALLOW): | ROSS DS-1000 |
| SOUNDING SYSTEM (DEEP): | - |

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ENDEAVOR LAST CHANGED 14 DEC 82

OPS SCHEDULE FOR PERIOD
01 JAN 83 THRU 31 DEC 83

OUT OF SERVICE — UNIV OF RHODE

DEP: 01 DEC 82 NARRAGANSETT — MAINTENANCE
ARR: 13 JAN 83 NARRAGANSETT — 44
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH — T. ROSSBY — NSF/ONR

DEP: 14 JAN 83 NARRAGANSETT, RI — EN-093. GULF STREAM STUDIES IN THE
ARR: 23 JAN 83 NARRAGANSETT, RI — VICINITY OF CAPE HATTERAS — 9
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH — B. OWENS/J. PRICE — NSF

DEP: 26 JAN 83 NARRAGANSETT, RI — EN-094 TRANSIT TO WHOI
ARR: 26 JAN 83 WOODS HOLE, MA — 0
AREA INDEX: NA6

DEP: 28 JAN 83 WOODS HOLE, MA — EN-094. EDDY INDUCED DIFFUSION
ARR: 02 FEB 83 WOODS HOLE, MA — NEAR 34N 70W — 5
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH — HAMPSON — BLM

DEP: 04 FEB 83 WOODS HOLE, MA — EN-095. GEORGES BANK SAMPLING CURRE
ARR: 15 FEB 83 NARRAGANSETT, RI — NUTRIENTS,SUSP.SEDIMENTS,BIOL. — 11

AREA INDEX: NA6

OUT OF SERVICE — UNIV OF RHODE

DEP: 16 FEB 83 NARRAGANSETT, RI — MAINTENANCE
ARR: 11 MAR 83 NARRAGANSETT, RI — 23
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH — T. ROSSBY — ONR

DEP: 12 MAR 83 NARRAGANSETT, RI — EN-096. GULF STREAM STUDIES IN THE
ARR: 21 MAR 83 NARRAGANSETT, RI — VICINITY OF CAPE HATTERAS — 9
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH — A. DRISCOLL — DOE/NSF

DEP: 24 MAR 83 NARRAGANSETT, RI — EN-097. W.NORTH ATLANTIC--DEEP WATE
ARR: 29 MAR 83 NARRAGANSETT, RI — TEST OF NEW DEEP SEA WINCH — 5
AREA INDEX: NA6

OUT OF SERVICE — UNIV OF RHODE

DEP: 30 MAR 83 NARRAGANSETT, RI — MAINTENANCE
ARR: 06 APR 83 NARRAGANSETT, RI — 7
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH — LARGE/BRISCOE — ONR

DEP: 07 APR 83 NARRAGANSETT, RI — EN-098. CAPE HATTERAS--GULF STREAM
ARR: 16 APR 83 NARRAGANSETT, RI — STUDIES — 9
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH — E. LAINE — DOE

DEP: 19 APR 83 NARRAGANSETT, RI — EN-099. CAPE HATTERAS--MODERN

ARR: 01 MAY 83 NARRAGANSETT, RI  SEDIMENTARY DYNAMICS  12
AREA INDEX: NA6

DEP: 04 MAY 83 NARRAGANSETT, RI  EN-099. CAPE HATTERAS--MODERN
ARR: 07 MAY 83 NARRAGANSETT, RI  SEDIMENTARY DYNAMICS  3
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH  T. ROSSBY/LEVINE  NSF/NUSC

DEP: 11 MAY 83 NARRAGANSETT, RI  EN-101. GULF STREAM PEGASUS WORK
ARR: 24 MAY 83 WOODS HOLE, MA  13
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH  RICHARDSON  NSF

DEP: 26 MAY 83 WOODS HOLE, MA  EN-102. W.NORTH ATLANTIC PHYSICAL
ARR: 15 JUN 83 WOODS HOLE, MA  OCEANOGRAPHY  20
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH  UNIV OF RHODE

DEP: 16 JUN 83 WOODS HOLE, MA  EN-102. TRANSIT TO NARRAGANSETT
ARR: 16 JUN 83 NARRAGANSETT, RI  0
AREA INDEX: NA6

OUT OF SERVICE  UNIV OF RHODE

DEP: 17 JUN 83 NARRAGANSETT, RI  MAINTENANCE
ARR: 22 JUN 83 NARRAGANSETT, RI  5
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH  NSF

DEP: 22 JUN 83 NARRAGANSETT, RI  EN-103. TRANSIT TO ICELAND
ARR: 29 JUN 83 REYKJAVIK, IC  7
AREA INDEX: NA6  NA4  NA5

OCEANOGRAPHIC RESEARCH  E. SWIFT  NSF/ONR

DEP: 01 JUL 83 REYKJAVIK, IC  EN-104. NORTH ATLANTIC--NORTHERN
ARR: 16 JUL 83 REYKJAVIK, IC  LATITUDE BIOLUMINESCENCE  15
AREA INDEX: NA5  NA1

DEP: 19 JUL 83 REYKJAVIK, IC  EN-104. NORTH ATLANTIC--NORTHERN
ARR: 03 AUG 83 NARRAGANSETT, RI  LATITUDE BIOLUMINESCENCE  15
AREA INDEX: NA5  NA1  NA4  NA6

OCEANOGRAPHIC RESEARCH  L. MAYER/R. DETRICK  ONR

DEP: 08 AUG 83 NARRAGANSETT, RI  EN-105. W.NORTH ATLANTIC--SEISMIC
ARR: 21 AUG 83 NARRAGANSETT, RI  INTERCALIBRATION EQUIPMENT  13
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH  E. LAINE  DOE

DEP: 24 AUG 83 NARRAGANSETT, RI  EN-106. CAPE HATTERAS--MODERN
ARR: 05 SEP 83 NARRAGANSETT, RI  SEDIMENTARY DYNAMICS  12
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH  R. WATTS  NSF

DEP: 08 SEP 83 NARRAGANSETT, RI  EN-107. CAPE HATTERAS--GULF STREAM
ARR: 18 SEP 83 NARRAGANSETT, RI  DYNAMICS  10
AREA INDEX: NA6

OUT OF SERVICE  UNIV OF RHODE

DEP: 19 SEP 83 NARRAGANSETT, RI  MAINTENANCE (OVERHAUL)
ARR: 08 OCT 83 NARRAGANSETT, RI  19
AREA INDEX: NA6

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OCEANOGRAPHIC RESEARCH                                        UNIV OF RHODE

DEP: 09 OCT 83 NARRAGANSETT, RI     EN-108. TRANSIT TO RODMAN, CANAL ZO
ARR: 17 OCT 83 RODMAN, CZ                                              8
AREA INDEX: NA6   NA9   NP13
     .....................................
OCEANOGRAPHIC RESEARCH            E. BOYLE              ONR

DEP: 19 OCT 83 RODMAN, CZ           EN-109. PANAMA BASIN--CHEMICAL PROF
ARR: 20 OCT 83 RODMAN, CZ           TO DISCOVER COPPER SOURCE          1
AREA INDEX: NP9   NP13
     .....................................
OCEANOGRAPHIC RESEARCH            R. SMITH              NSF


DEP: 22 OCT 83 RODMAN, CZ           EN-110. PERU UPWELLING--VARIABILITY
ARR: 11 NOV 83 CALLAO, PERU          EASTERN EQUATORIAL BOUNDARY      20
AREA INDEX: NA9   NP13  SP3A
     .....................................
OCEANOGRAPHIC RESEARCH            R. BARBER             NSF

DEP: 14 NOV 83 CALLAO, PERU         EN-111. GALAPAGOS--MEIODIONAL
ARR: 04 DEC 83 CALLAO, PERU         SECTION AT 95W                    20
AREA INDEX: SP3A  SP3
     .....................................
OCEANOGRAPHIC RESEARCH            D. KESTER             ONR

DEP: 07 DEC 83 CALLAO, PERU         EN-112.PERU UPWELLING--CONTIN.MEASU
ARR: 22 DEC 83 VALPARAISO, CH       TRACE METALS IN ACTIVE FRONTS     15
AREA INDEX: SP3A  SP6A
     .....................................
OUT OF SERVICE                                                UNIV OF RHODE

DEP: 23 DEC 83 VALPARAISO, CH       MAINTENANCE
ARR: 31 DEC 83 VALPARAISO, CH                                          8
AREA INDEX: SP6A
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## MELVILLE

### POINT OF CONTACT INFORMATION

| | |
|---|---|
| POC: | CAPT JAMES WILLIAMS |
| POC OFFICE: | MARINE SUPERINTENDENT |
| POC ORGANIZATION: | SCRIPPS INSTITUTION OF OCEANOGRAPHY |
| POC ADDRESS: | MARINE FACILITIES DIV., P-005 |
| POC CITY/STATE: | LA JOLLA CA 92093 |
| FTS PREFIX: | 619 |
| COMMERCIAL AREA CODE: | 619 |
| PHONE: | 294-3675 |

### ADMINISTRATIVE DETAILS

| | |
|---|---|
| DESIGNATOR: | AGOR 14 |
| CLASS: | MELVILLE/AGOR 14 |
| CALL SIGN (INTERNATIONAL): | WECB |
| FLEET: | UNOLS |
| SHIP TYPE: | OCEAN RESEARCH-GENERAL |
| SHIP OWNER: | USN |
| CERTIFICATION AUTHORITY: | US COAST GUARD-ABS |
| FLAG REGISTRY: | USA |
| HOME PORT: | SAN DIEGO CA |
| TECHNICAL SPONSOR: | UNIV. OF CALIFORNIA SAN DIEGO |
| OPERATIONS CONTROL: | UNIV. OF CALIFORNIA SAN DIEGO |
| CONTRACTUAL INFORMATION: | ONR CODE 611 LEASE TO EXPIRE 25 AUG 86 CON N00014-69-C-0242 |
| OPERATING COST/DAY: | 11.0/83 THOUSAND $'S |
| SCIENTIFIC COMPLEMENT: | 29 |
| NUMBER OFFICERS: | 9 |
| NUMBER IN CREW: | 14 |
| MAX SEA STATE: | 4 BEAUFORT SCALE |
| ENDURANCE: | 41 DAY(S) |
| LIMITING FACTOR: | FUEL |
| BUILDER: | DEFOE SHIPBUILDING COMPANY |
| WHERE BUILT: | BAY CITY MI USA |
| INITIAL COST: | 6.0/69 MILLION $'S IN YEAR |
| DUE DATE: | - |
| KEEL DATE: | 12 JUL 67 |
| LAUNCH DATE: | 10 JUL 68 |
| DELIVERY DATE: | 01 SEP 69 |
| COMMISSION DATE: | 27 AUG 67 |
| CONVERSION DATE: | - |
| LAST OVERHAUL: | 01 JUL 82 |
| MAINTENANCE CYCLE: | 2.0 YEARS |
| END OF LIFE: | 1999 |
| UPDATE OF INFORMATION: | 24 NOV 82 |

### SHIP DIMENSIONS

| | |
|---|---|
| LENGTH: | 244.8 FEET |
| MAX BEAM: | 46.0 FEET |
| HEIGHT: | 112.0 FEET |
| GROSS TONNAGE: | 1806 |
| DISPLACEMENT: | 2075 TONS |
| DRAUGHT: | 16.4 FEET |
| CRUISE SPEED: | 10.0 KNOTS |
| RANGE: | 9000 NAUTICAL MILES |
| MAX SPEED: | 11.5 KNOTS |
| MIN SPEED: | 0.0 KNOTS |

ENGINEERING/DECK EQUIPMENT

| | |
|---|---|
| MAIN PROPULSION: | CYCLOIDAL PROP |
| AUXILIARY PROPULSION: | CYCLOIDAL PROP FWD |
| NUMBER OF SHAFTS: | 2 |
| FUEL TYPE: | 1 DIESEL/2 DIESEL |
| BOW THRUSTER: | NO, CYCLOIDAL PROP FWD |
| ACTIVE RUDDER: | N |
| DYNAMIC POSITIONING: | Y |
| ANTI-ROLL: | N |
| STABILIZER: | N |
| DEEP ANCHOR: | NONE FEET |
| BERTHING VAN DIMENSIONS: | 8X8X20 |
| INSTRUMENT VAN DIMENSIONS: | 8X8X20 |
| WET-LAB: | Y |
| DRY-LAB: | Y |
| AMMUNITION STORAGE: | N |
| HELO SUPPORT: | N |
| METEOROLOGICAL OBSERVATIONS: | NO |

UTILITY BOATS:

1. 14 FOOT RUBBER INFLATABLE
2. 4 FOOT RUBBER INFLATABLE

A, U, OR L FRAMES

| | |
|---|---|
| MAX HOIST CAPACITY: | 40000 POUNDS |
| NUMBER OF FRAMES: | 2 |

CRANES OR BOOMS

| | |
|---|---|
| MAX HOIST CAPACITY: | 36000 POUNDS |
| NUMBER OF CRANES: | 2 |

WINCHES:

| | |
|---|---|
| 01. MAJOR TYPE/USE: | TRAWL |
| SECONDARY TYPE/USE: | DEEP SEA |
| SLIP-RINGS: | Y |
| TYPE WIRE: | WIRE ROPE |
| WIRE LENGTH: | 45000 FEET |
| WIRE DIAMETER: | 0.563 INCHES |
| SECONDARY WIRE LEN: | 45000 FEET |
| SECONDARY WIRE DIAM: | 0.680 INCHES |
| 02. MAJOR TYPE/USE: | TOWING |
| SECONDARY TYPE/USE: | UNKNOWN |
| SLIP-RINGS: | N |
| TYPE WIRE: | WIRE ROPE |
| WIRE LENGTH: | 2000 FEET |
| WIRE DIAMETER: | 2.000 INCHES |
| 03. MAJOR TYPE/USE: | HYDROGRAPHIC |
| SECONDARY TYPE/USE: | STD |
| SLIP-RINGS: | 1 |
| TYPE WIRE: | WIRE ROPE |
| WIRE LENGTH: | 30000 FEET |
| WIRE DIAMETER: | 0.250 INCHES |
| SECONDARY WIRE LEN: | 25000 FEET |
| SECONDARY WIRE DIAM: | 0.225 INCHES |
| 04. MAJOR TYPE/USE: | STD |
| SECONDARY TYPE/USE: | HYDROGRAPHIC |
| SLIP-RINGS: | 1 |
| TYPE WIRE: | WIRE ROPE |
| WIRE LENGTH: | 30000 FEET |
| WIRE DIAMETER: | 0.225 INCHES |
| SECONDARY WIRE LEN: | 25000 FEET |
| SECONDARY WIRE DIAM: | 0.250 INCHES |

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ELECTRONIC EQUIPMENT

| | |
|---|---|
| COMPUTERS: | IBM 1800 |
| FACSIMILE: | Y |
| ELECTROMAGNETIC LOG: | Y |
| INERTIAL NAVIGATION: | N |
| RADAR (SURFACE SCAN): | Y |
| LORAN A: | N |
| LORAN C: | Y |
| OMEGA: | Y |

| | |
|---|---|
| SATELLITE NAVIGATION: | Y |
| RADIO TELETYPE COMMUNICATION: | Y |
| SINGLE SIDE BAND: | Y |
| VHF COMMUNICATIONS: | Y |
| STABLE TABLE: | N |
| NARROW BEAM: | N |
| SEISMIC PROFILING: | Y |
| SIDE SCAN: | N |
| SOUNDING SYSTEM (SHALLOW): | RAYTHEON |
| SOUNDING SYSTEM (DEEP): | EDO,GIFFT |

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MELVILLE

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MELVILLE LAST CHANGED 10 DEC 82

OPS SCHEDULE FOR PERIOD
01 JAN 83 THRU 31 DEC 83

OCEANOGRAPHIC RESEARCH JORDAN,ORCUTT,MENARD SCRIPPS

DEP: 09 JAN 83 HONOLULU, HI BENTHIC LEG 4. BOTTOM SEISMOGRAPH W
ARR: 16 FEB 83 HONOLULU, HI WITH D/V GLOMAR CHALLENGER 38
AREA INDEX: NP12

OCEANOGRAPHIC RESEARCH ERIKSEN,RICHMAN SCRIPPS

DEP: 19 FEB 83 HONOLULU, HI BENTHIC LEG 5. RECOVER CURRENT METE
ARR: 12 MAR 83 PAPEETE MOORINGS 21
AREA INDEX: NP12 SP2

OCEANOGRAPHIC RESEARCH JORDAN,ORCUTT,MENARD SCRIPPS

DEP: 17 MAR 83 PAPEETE BENTHIC LEG 6.RECOVER SEISMOGRAPH M
ARR: 05 APR 83 PAPEETE INGS, SEAMOUNT SURVEYS 19
AREA INDEX: SP2

OCEANOGRAPHIC RESEARCH CRAIG,OSTLUND SCRIPPS

DEP: 08 APR 83 PAPEETE BENTHIC LEG 7.ARGON-39 SAMPLES
ARR: 11 MAY 83 SAN DIEGO, CA MEHETIA SEAMOUNT 33
AREA INDEX: SP2 NP12 NP9

OCEANOGRAPHIC RESEARCH SPIESS SCRIPPS

DEP: 31 MAY 83 SAN DIEGO, CA DEEPTOW
ARR: 24 JUN 83 SAN DIEGO, CA 24
AREA INDEX: NP9

OCEANOGRAPHIC RESEARCH WEISS SCRIPPS

DEP: 10 AUG 83 SAN DIEGO, CA MANOP-LANDER DEPLOYMENT
ARR: 12 AUG 83 SAN DIEGO, CA SAN CLEMENTE BASIN 2
AREA INDEX: NP9

DEP: 17 AUG 83 SAN DIEGO, CA MANOP-LANDER DEPLOYMENT
ARR: 19 AUG 83 SAN DIEGO, CA SAN CLEMENTE BASIN 2
AREA INDEX: NP9

OCEANOGRAPHIC RESEARCH MACDONALD SCRIPPS

DEP: 07 SEP 83 SAN DIEGO, CA LEG 1.SEISMICITY & MAGNETICS DEEP T
ARR: 23 OCT 83 VALPARAISO, CH EASTER ISLAND 14-15 OCT. 46
AREA INDEX: NP9 NP13 SP3 SP3A SP6A

OCEANOGRAPHIC RESEARCH SCRIPPS

DEP: 28 OCT 83 VALPARAISO, CH LEG 2. ICE EDGE PROGRAM
ARR: 03 NOV 83 PUNTA ARENAS, CH 6
AREA INDEX: SP6A SP9A AN9

DEP: 04 NOV 83 PUNTA ARENAS, CH LEG 2. ICE EDGE PROGRAM
ARR: 05 DEC 83 PUNTA ARENAS, CH 31
AREA INDEX: SP9A AN9

DEP: 09 DEC 83 PUNTA ARENAS, CH LEG 3. SCOTIA ARC PROGRAM
ARR: 09 JAN 84 PUNTA ARENAS, CH 31
AREA INDEX: SP9A AN9 SA5A

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## NEW HORIZON

### POINT OF CONTACT INFORMATION

| | |
|---|---|
| POC: | CAPT JAMES WILLIAMS |
| POC OFFICE: | MARINE SUPERINTENDENT |
| POC ORGANIZATION: | SCRIPPS INSTITUTION OF OCEANOGRAPHY |
| POC ADDRESS: | MARINE FACILITIES DIV., P-005 |
| POC CITY/STATE: | LA JOLLA CA 92093 |
| FTS PREFIX: | 619 |
| COMMERCIAL AREA CODE: | 619 |
| PHONE: | 294-3675 |

### ADMINISTRATIVE DETAILS

| | |
|---|---|
| SHORT NAME: | HORIZON |
| DESIGNATOR: | RV |
| CLASS: | COLUMBUS ISELIN |
| CALL SIGN (INTERNATIONAL): | - |
| FLEET: | UNOLS |
| SHIP TYPE: | OCEANOGRAPHIC RESEARCH-GENERAL |
| SHIP OWNER: | UNIV. OF CALIFORNIA |
| CERTIFICATION AUTHORITY: | AMERICAN BUREAU OF SHIPPING |
| FLAG REGISTRY: | USA |
| HOME PORT: | SAN DIEGO CA |
| TECHNICAL SPONSOR: | UNIV. OF CALIFORNIA SAN DIEGO |
| OPERATIONS CONTROL: | UNIV. OF CALIFORNIA SAN DIEGO |
| CONTRACTUAL INFORMATION: | NONE |
| OPERATING COST/DAY: | 7.0/83 THOUSAND $'S |
| SCIENTIFIC COMPLEMENT: | 15 |
| NUMBER OFFICERS: | 4 |
| NUMBER IN CREW: | 8 |
| MAX SEA STATE: | 5 BEAUFORT SCALE |
| ENDURANCE: | 24 DAY(S) |
| LIMITING FACTOR: | FUEL |
| BUILDER: | ATLANTIC MARINE INC |
| WHERE BUILT: | FORT GEORGE ISLAND FL USA |
| INITIAL COST: | 4.2/78 MILLION $'S IN YEAR |
| DUE DATE: | - |
| KEEL DATE: | 07 OCT 77 |
| LAUNCH DATE: | 04 MAR 78 |
| DELIVERY DATE: | 24 OCT 78 |
| COMMISSION DATE: | 25 JAN 79 |
| CONVERSION DATE: | - |
| LAST OVERHAUL: | 01 JAN 83 |
| MAINTENANCE CYCLE: | 3.0 YEARS |
| END OF LIFE: | 2005 |
| UPDATE OF INFORMATION: | 24 NOV 82 |

### SHIP DIMENSIONS

| | |
|---|---|
| LENGTH: | 170.0 FEET |
| MAX BEAM: | 36.0 FEET |
| HEIGHT: | 72.0 FEET |
| GROSS TONNAGE: | 267 |
| DISPLACEMENT: | 598 TONS |
| DRAUGHT: | 12.0 FEET |
| CRUISE SPEED: | 10.0 KNOTS |
| RANGE: | 6000 NAUTICAL MILES |
| MAX SPEED: | 12.5 KNOTS |
| MIN SPEED: | 0.5 KNOTS |

ENGINEERING/DECK EQUIPMENT

| | |
|---|---|
| MAIN PROPULSION: | DIESEL |
| AUXILIARY PROPULSION: | BOW THRUSTER |
| NUMBER OF SHAFTS: | 2 |
| FUEL TYPE: | 2 DIESEL |
| BOW THRUSTER: | SCHOTTEL TRAINABLE PROP |
| ACTIVE RUDDER: | N |
| DYNAMIC POSITIONING: | N |
| ANTI-ROLL: | N |
| STABILIZER: | N |
| DEEP ANCHOR: | NONE FEET |
| BERTHING VAN DIMENSIONS: | 8X8X14 |
| INSTRUMENT VAN DIMENSIONS: | 8X8X20 |
| WET-LAB: | Y |
| DRY-LAB: | Y |
| AMMUNITION STORAGE: | N |
| HELO SUPPORT: | N |
| METEOROLOGICAL OBSERVATIONS: | NO |

UTILITY BOATS:
1. 14 FOOT RUBBER INFLATABLE
2. 4 FOOT RUBBER INFLATABLE

A, U, OR L FRAMES

| | |
|---|---|
| MAX HOIST CAPACITY: | 30000 POUNDS |
| NUMBER OF FRAMES: | 2 |

CRANES OR BOOMS

| | |
|---|---|
| MAX HOIST CAPACITY: | 32000 POUNDS |
| NUMBER OF CRANES: | 2 |

WINCHES:

| | |
|---|---|
| 01. MAJOR TYPE/USE: | TRAWL |
| SECONDARY TYPE/USE: | DREDGE |
| SLIP-RINGS: | Y |
| TYPE WIRE: | WIRE ROPE |
| WIRE LENGTH: | 30000 FEET |
| WIRE DIAMETER: | 0.500 INCHES |
| 02. MAJOR TYPE/USE: | HYDROGRAPHIC |
| SECONDARY TYPE/USE: | STD |
| SLIP-RINGS: | 1 |
| TYPE WIRE: | WIRE ROPE |
| WIRE LENGTH: | 25000 FEET |
| WIRE DIAMETER: | 0.250 INCHES |
| 03. MAJOR TYPE/USE: | HYDROGRAPHIC |
| SECONDARY TYPE/USE: | STD |
| SLIP-RINGS: | 1 |
| TYPE WIRE: | WIRE ROPE |
| WIRE LENGTH: | 25000 FEET |
| WIRE DIAMETER: | 0.250 INCHES |
| 04. MAJOR TYPE/USE: | STD |
| SECONDARY TYPE/USE: | STD |
| SLIP-RINGS: | 1 |
| TYPE WIRE: | CONDUCTOR CABLE |
| WIRE LENGTH: | 30000 FEET |
| WIRE DIAMETER: | 0.322 INCHES |
| SECONDARY WIRE LEN: | 25000 FEET |
| SECONDARY WIRE DIAM: | 0.225 INCHES |

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ELECTRONIC EQUIPMENT

| | |
|---|---|
| COMPUTERS: | HP FOR SAT NAVIGATION |
| FACSIMILE: | Y |
| ELECTROMAGNETIC LOG: | Y |
| INERTIAL NAVIGATION: | N |
| RADAR (SURFACE SCAN): | Y |
| LORAN A: | N |
| LORAN C: | Y |
| OMEGA: | Y |
| SATELLITE NAVIGATION: | Y |
| RADIO TELETYPE COMMUNICATION: | N |
| SINGLE SIDE BAND: | Y |
| VHF COMMUNICATIONS: | Y |

| | |
|---|---|
| STABLE TABLE: | N |
| NARROW BEAM: | N |
| SEISMIC PROFILING: | N |
| SIDE SCAN: | N |
| SOUNDING SYSTEM (SHALLOW): | KONEL |
| SOUNDING SYSTEM (DEEP): | EDO |

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NEW HORIZON
NEW HORIZON

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NEW HORIZON LAST CHANGED 10 DEC 82

OPS SCHEDULE FOR PERIOD
01 JAN 83 THRU 31 DEC 83

OUT OF SERVICE

DEP: 24 DEC 82 SAN DIEGO, CA UPKEEP
ARR: 28 FEB 83 SAN DIEGO, CA 67
AREA INDEX: NP9

OPEN SCRIPPS

DEP: 01 MAR 83 SAN DIEGO, CA OPEN
ARR: 13 MAR 83 SAN DIEGO, CA 12
AREA INDEX: OPEN

OCEANOGRAPHIC RESEARCH DUGDALE SCRIPPS

DEP: 14 MAR 83 SAN DIEGO, CA FIELD EFFORT OF OPUS PROJECT IN ARE
ARR: 19 MAR 83 SAN DIEGO, CA PT. CONCEPTION, CA 5
AREA INDEX: NP9

DEP: 01 APR 83 SAN DIEGO, CA FIELD EFFORT OF OPUS PROJECT IN ARE
ARR: 12 MAY 83 SAN DIEGO, CA PT. CONCEPTION, CA 41
AREA INDEX: NP9

OCEANOGRAPHIC RESEARCH WILLIAMS,BEERS,ET AL SCRIPPS

DEP: 16 MAY 83 SAN DIEGO, CA DEPLOYMENT OF CURRENT METERS
ARR: 26 MAY 83 SAN DIEGO, CA MICROBIOLOGY 10
AREA INDEX: NP9

OCEANOGRAPHIC RESEARCH K SMITH SCRIPPS

DEP: 31 MAY 83 SAN DIEGO, CA BENTHIC BOUNDARY LAYER STUDIES
ARR: 20 JUN 83 SAN DIEGO, CA 20
AREA INDEX: NP9

OCEANOGRAPHIC RESEARCH CHILDRESS SCRIPPS

DEP: 23 JUN 83 SAN DIEGO, CA PHYSIOLOGIC STUDY ON ANIMALS CAUGHT
ARR: 10 JUL 83 SAN DIEGO, CA EPIBENTHIC BEAM & MIDWAT.TRAWL 17
AREA INDEX: NP9

OCEANOGRAPHIC RESEARCH LONSDALE SCRIPPS

DEP: 15 JUL 83 SAN DIEGO, CA DEEP TOW STUDIES OF SEAMOUNTS
ARR: 28 JUL 83 SAN DIEGO, CA 13
AREA INDEX: NP9

OCEANOGRAPHIC RESEARCH ROBISON SCRIPPS

DEP: 02 AUG 83 SAN DIEGO, CA WASP PROGRAM. DEPLOY ONE MAN SUBMER
ARR: 05 SEP 83 SAN DIEGO, CA FOR MIDWATER BIOLOGICAL STUDY 34
AREA INDEX: NP9

OCEANOGRAPHIC RESEARCH COX SCRIPPS

DEP: 12 SEP 83 SAN DIEGO, CA ELECTROMAGNETIC SOUNDING OF OCEAN
ARR: 02 OCT 83 HONOLULU, HI 20
AREA INDEX: NP9 NP12

OCEANOGRAPHIC RESEARCH K SMITH,LANGE SCRIPPS

DEP: 05 OCT 83 HONOLULU, HI BENTHIC BOUNDARY LAYER, TOW OF VIDE

ARR: 09 NOV 83 SAN DIEGO, CA CTA SYSTEM 35
AREA INDEX: NP12 NP9

OCEANOGRAPHIC RESEARCH P WILLIAMS SCRIPPS

DEP: 13 NOV 83 SAN DIEGO, CA CHEMICAL, MICROBIOLOGICAL & PHYSICA
ARR: 23 NOV 83 SAN DIEGO, CA STUDIES OF SEA-SURFACE FILMS 10
AREA INDEX: NP9

OCEANOGRAPHIC RESEARCH SCRIPPS

DEP: 29 NOV 83 SAN DIEGO, CA CALCOFI
ARR: 22 DEC 83 SAN DIEGO, CA 23

AREA INDEX: NP9

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## ELLEN B SCRIPPS

### POINT OF CONTACT INFORMATION

| | |
|---|---|
| POC: | CAPT JAMES WILLIAMS |
| POC OFFICE: | MARINE SUPERINTENDENT |
| POC ORGANIZATION: | SCRIPPS INSTITUTION OF OCEANOGRAPHY |
| POC ADDRESS: | MARINE FACILITIES DIV., P-005 |
| POC CITY/STATE: | LA JOLLA CA 92093 |
| FTS PREFIX: | 619 |
| COMMERCIAL AREA CODE: | 619 |
| PHONE: | 294-3675 |

### ADMINISTRATIVE DETAILS

| | |
|---|---|
| COMMON SHIP NAME: | SCRIPPS / EB SCRIPPS |
| DESIGNATOR: | RV |
| CLASS: | OFFSHORE OIL RIG SUPPLY |
| CALL SIGN (INTERNATIONAL): | WEMN |
| FLEET: | UNOLS |
| SHIP TYPE: | OCEAN RESEARCH-GENERAL |
| SHIP OWNER: | UNIV. OF CALIFORNIA |
| CERTIFICATION AUTHORITY: | - |
| FLAG REGISTRY: | USA |
| HOME PORT: | SAN DIEGO CA |
| TECHNICAL SPONSOR: | UNIV. OF CALIFORNIA SAN DIEGO |
| OPERATIONS CONTROL: | UNIV. OF CALIFORNIA SAN DIEGO |
| CONTRACTUAL INFORMATION: | NONE |
| OPERATING COST/DAY: | 2.5/83 THOUSAND $'S |
| SCIENTIFIC COMPLEMENT: | 8 |
| NUMBER OFFICERS: | 1 |
| NUMBER IN CREW: | 4 |
| MAX SEA STATE: | 4 BEAUFORT SCALE |
| ENDURANCE: | 14 DAY(S) |
| LIMITING FACTOR: | HABITABILITY |
| BUILDER: | HALTER MARINE SERVICES INC |
| WHERE BUILT: | NEW ORLEANS LA USA |
| INITIAL COST: | .25/65 MILLION $'S IN YEAR |
| DUE DATE: | - |
| KEEL DATE: | '64 |
| LAUNCH DATE: | '65 |
| DELIVERY DATE: | '65 |
| COMMISSION DATE: | '65 |
| CONVERSION DATE: | - |
| LAST OVERHAUL: | 01 DEC 82 |
| MAINTENANCE CYCLE: | 5.0 YEARS |
| END OF LIFE: | 1992 |
| UPDATE OF INFORMATION: | 24 NOV 82 |

### SHIP DIMENSIONS

| | |
|---|---|
| LENGTH: | 95.0 FEET |
| MAX BEAM: | 24.0 FEET |
| HEIGHT: | - FEET |
| GROSS TONNAGE: | 115 |
| DISPLACEMENT: | 234 TONS |
| DRAUGHT: | 6.0 FEET |
| CRUISE SPEED: | 9.0 KNOTS |
| RANGE: | 6480 NAUTICAL MILES |
| MAX SPEED: | 9.5 KNOTS |
| MIN SPEED: | 2.0 KNOTS |

ENGINEERING/DECK EQUIPMENT

| | |
|---|---|
| MAIN PROPULSION: | DIESEL GEARED |
| AUXILIARY PROPULSION: | NO |
| NUMBER OF SHAFTS: | 2 |
| FUEL TYPE: | 2 DIESEL |
| BOW THRUSTER: | TUNNEL |
| ACTIVE RUDDER: | N |
| DYNAMIC POSITIONING: | N |
| ANTI-ROLL: | N |
| STABILIZER: | N |
| DEEP ANCHOR: | NONE FEET |
| BERTHING VAN DIMENSIONS: | 8X8X20 |
| INSTRUMENT VAN DIMENSIONS: | 8X8X20 |
| WET-LAB: | N |
| DRY-LAB: | Y |
| AMMUNITION STORAGE: | Y |
| HELO SUPPORT: | N |
| METEOROLOGICAL OBSERVATIONS: | NO |

UTILITY BOATS:
1. 14 FOOT RUBBER INFLATABLE
2. 4 FOOT RUBBER INFLATABLE

A, U, OR L FRAMES

| | |
|---|---|
| MAX HOIST CAPACITY: | 20000 POUNDS |
| NUMBER OF FRAMES: | 1 |

CRANES OR BOOMS

| | |
|---|---|
| MAX HOIST CAPACITY: | 2000 POUNDS |
| NUMBER OF CRANES: | 1 |

WINCHES:

| | | |
|---|---|---|
| 01. | MAJOR TYPE/USE: | TRAWL |
| | SECONDARY TYPE/USE: | UNKNOWN |
| | SLIP-RINGS: | N |
| | TYPE WIRE: | WIRE ROPE |
| | WIRE LENGTH: | 14000 FEET |
| | WIRE DIAMETER: | 0.375 INCHES |
| 02. | MAJOR TYPE/USE: | HYDROGRAPHIC |
| | SECONDARY TYPE/USE: | UNKNOWN |
| | SLIP-RINGS: | N |
| | TYPE WIRE: | WIRE ROPE |
| | WIRE LENGTH: | 16000 FEET |
| | WIRE DIAMETER: | 0.250 INCHES |
| 03. | MAJOR TYPE/USE: | STD |
| | SECONDARY TYPE/USE: | UNKNOWN |
| | SLIP-RINGS: | 1 |
| | TYPE WIRE: | CONDUCTOR CABLE |
| | WIRE LENGTH: | 10000 FEET |
| | WIRE DIAMETER: | 0.320 INCHES |
| 04. | MAJOR TYPE/USE: | STD |
| | SECONDARY TYPE/USE: | UNKNOWN |
| | SLIP-RINGS: | 1 |
| | TYPE WIRE: | CONDUCTOR CABLE |
| | WIRE LENGTH: | 2000 FEET |
| | WIRE DIAMETER: | 0.260 INCHES |

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ELECTRONIC EQUIPMENT

| | |
|---|---|
| COMPUTERS: | NONE |
| FACSIMILE: | Y |
| ELECTROMAGNETIC LOG: | Y |
| INERTIAL NAVIGATION: | N |
| RADAR (SURFACE SCAN): | Y |
| LORAN A: | N |
| LORAN C: | Y |
| OMEGA: | Y |
| SATELLITE NAVIGATION: | Y |
| RADIO TELETYPE COMMUNICATION: | N |
| SINGLE SIDE BAND: | Y |
| VHF COMMUNICATIONS: | Y |
| STABLE TABLE: | N |
| NARROW BEAM: | N |
| SEISMIC PROFILING: | N |
| SIDE SCAN: | N |
| SOUNDING SYSTEM (SHALLOW): | RAYTHEON |
| SOUNDING SYSTEM (DEEP): | GIFFT |

ELLEN B. SCRIPPS

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ELLEN B SCRIPPS LAST CHANGED 10 DEC 82

OPS SCHEDULE FOR PERIOD
01 JAN 83 THRU 31 DEC 83

| | | | |
|---|---|---|---|
| OCEANOGRAPHIC RESEARCH | C SMITH | SCRIPPS | |
| DEP: 17 JAN 83 SAN DIEGO, CA<br>ARR: 18 JAN 83 SAN DIEGO, CA<br>AREA INDEX: NP9 | DEPLOYMENT OF DEEP-SEA TIME-LAPSE CAMERA SYSTEM | | 1 |
| OCEANOGRAPHIC RESEARCH | AZAM | SCRIPPS | |
| DEP: 25 JAN 83 SAN DIEGO, CA<br>ARR: 28 JAN 83 SAN DIEGO, CA<br>AREA INDEX: NP9 | MICROBIOLOGY, PARTICULATE FLUX | | 3 |
| OCEANOGRAPHIC RESEARCH | C SMITH | SCRIPPS | |
| DEP: 22 FEB 83 SAN DIEGO, CA<br>ARR: 23 FEB 83 SAN DIEGO, CA<br>AREA INDEX: NP9 | RECOVERY OF DEEP-SEA TIME-LAPSE CAMERA SYSTEM | | 1 |
| OCEANOGRAPHIC RESEARCH | DEXTER | SCRIPPS | |
| DEP: 25 FEB 83 SAN DIEGO, CA<br>ARR: 25 FEB 83 SAN DIEGO, CA<br>AREA INDEX: NP9 | STUDENT CRUISE | | 0 |
| OCEANOGRAPHIC RESEARCH | STEVENS | SCRIPPS | |
| DEP: 20 MAR 83 SAN DIEGO, CA<br>ARR: 30 APR 83 PUNTARENAS, CR<br>AREA INDEX: NP9 NP13 | WORK WITH D/V GLOMAR CHALLENGER AT COST RICA RIFT | | 41 |
| OCEANOGRAPHIC RESEARCH | COX | SCRIPPS | |
| DEP: 09 MAY 83 PUNTARENAS, CR<br>ARR: 14 MAY 83 SAN DIEGO, CA<br>AREA INDEX: NP13 NP9 | TEST CONTROLLED EM SOURCE EQUIPMENT | | 5 |
| OCEANOGRAPHIC RESEARCH | BEERS | SCRIPPS | |
| DEP: 16 MAY 83 SAN DIEGO, CA<br>ARR: 22 MAY 83 SAN DIEGO, CA<br>AREA INDEX: NP9 | MICRO & MESO-SCALE STUDIES OF PLANK CILIATE DISTRIBUTION | | 6 |
| OCEANOGRAPHIC RESEARCH | K SMITH | SCRIPPS | |
| DEP: 24 MAY 83 SAN DIEGO, CA<br>ARR: 28 MAY 83 SAN DIEGO, CA<br>AREA INDEX: NP9 | BENTHIC BOUNDARY LAYER ENERGETICS | | 4 |
| OCEANOGRAPHIC RESEARCH | AZAM | SCRIPPS | |
| DEP: 02 JUN 83 SAN DIEGO, CA<br>ARR: 02 JUN 83 SAN DIEGO, CA<br>AREA INDEX: NP9 | MICROBIOLOGY, PARTICULATE FLUX | | 0 |
| OCEANOGRAPHIC RESEARCH | LEBOEUF | SCRIPPS | |
| DEP: 09 JUN 83 SAN DIEGO, CA<br>ARR: 09 JUL 83 LA PAZ, MX<br>AREA INDEX: NP9 NP13 | MARINE MAMMAL TAGS & STUDIES OFF BA CALIFORNIA ISLANDS | | 30 |
| OCEANOGRAPHIC RESEARCH | AZAM | SCRIPPS | |

DEP: 14 JUL 83 LA PAZ, MX MICROBIOLOGY, PARTICULATE FLUX
ARR: 15 JUL 83 SAN DIEGO, CA 1
AREA INDEX: NP13 NP9

OCEANOGRAPHIC RESEARCH DORMAN SCRIPPS

DEP: 25 JUL 83 SAN DIEGO, CA OBS
ARR: 29 JUL 83 SAN DIEGO, CA 4
AREA INDEX: NP9

OCEANOGRAPHIC RESEARCH WILLIAMS SCRIPPS

DEP: 04 AUG 83 SAN DIEGO, CA PICKUP DEPLOYMENT
ARR: 05 AUG 83 SAN DIEGO, CA 1
AREA INDEX: NP9

OCEANOGRAPHIC RESEARCH AZAM SCRIPPS

DEP: 09 AUG 83 SAN DIEGO, CA MICROBIOLOGY, PARTICULATE FLUX
ARR: 10 AUG 83 SAN DIEGO, CA 1
AREA INDEX: NP9

OCEANOGRAPHIC RESEARCH DORMAN SCRIPPS

DEP: 29 AUG 83 SAN DIEGO, CA OBS
ARR: 02 SEP 83 SAN DIEGO, CA 4
AREA INDEX: NP9

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## THOMAS WASHINGTON

### POINT OF CONTACT INFORMATION

| | |
|---|---|
| POC: | CAPT JAMES WILLIAMS |
| POC OFFICE: | MARINE SUPERINTENDENT |
| POC ORGANIZATION: | SCRIPPS INSTITUTION OF OCEANOGRAPHY |
| POC ADDRESS: | MARINE FACILITIES DIV., P-005 |
| POC CITY/STATE: | LA JOLLA CA 92093 |
| FTS PREFIX: | 619 |
| COMMERCIAL AREA CODE: | 619 |
| PHONE: | 294-3675 |

### ADMINISTRATIVE DETAILS

| | |
|---|---|
| COMMON SHIP NAME: | WASHINGTON |
| DESIGNATOR: | AGOR 10 |
| CLASS: | ROBERT D CONRAD/AGOR 3 |
| CALL SIGN (INTERNATIONAL): | KGWU |
| FLEET: | UNOLS |
| SHIP TYPE: | OCEAN RESEARCH-GENERAL |
| SHIP OWNER: | USN |
| CERTIFICATION AUTHORITY: | US COAST GUARD-ABS |
| FLAG REGISTRY: | USA |
| HOME PORT: | SAN DIEGO CA |
| TECHNICAL SPONSOR: | UNIV. OF CALIFORNIA SAN DIEGO |
| OPERATIONS CONTROL: | UNIV. OF CALIFORNIA SAN DIEGO |
| CONTRACTUAL INFORMATION: | ONR CODE 611 LEASE TO EXPIRE 28 SEP 85 CON N00014-77-L-0010 |
| OPERATING COST/DAY: | 12.0/83 THOUSAND $'S |
| SCIENTIFIC COMPLEMENT: | 17 |
| NUMBER OFFICERS: | 9 |
| NUMBER IN CREW: | 12 |
| MAX SEA STATE: | 6 BEAUFORT SCALE |
| ENDURANCE: | 42 DAY(S) |
| LIMITING FACTOR: | FUEL |
| BUILDER: | MARINETTE MARINE CORPORATION |
| WHERE BUILT: | MARINETTE WI USA |
| INITIAL COST: | - |
| DUE DATE: | - |
| KEEL DATE: | 12 SEP 63 |
| LAUNCH DATE: | 01 AUG 64 |
| DELIVERY DATE: | 17 SEP 65 |
| COMMISSION DATE: | '65 |
| CONVERSION DATE: | - |
| LAST OVERHAUL: | 15 NOV 82 |
| MAINTENANCE CYCLE: | 2.0 YEARS |
| END OF LIFE: | 1995 |
| UPDATE OF INFORMATION: | 24 NOV 82 |

### SHIP DIMENSIONS

| | |
|---|---|
| LENGTH: | 209.0 FEET |
| MAX BEAM: | 39.5 FEET |
| HEIGHT: | 78.0 FEET |
| GROSS TONNAGE: | 1151 |
| DISPLACEMENT: | 1362 TONS |
| DRAUGHT: | 14.5 FEET |
| CRUISE SPEED: | 11.5 KNOTS |
| RANGE: | 8700 NAUTICAL MILES |
| MAX SPEED: | 13.2 KNOTS |
| MIN SPEED: | 1.0 KNOTS |

ENGINEERING/DECK EQUIPMENT

| | |
|---|---|
| MAIN PROPULSION: | DIESEL ELECTRIC |
| AUXILIARY PROPULSION: | DIESEL |
| NUMBER OF SHAFTS: | 1 |
| FUEL TYPE: | 2 DIESEL |
| BOW THRUSTER: | RETRACTABLE |
| ACTIVE RUDDER: | N |
| DYNAMIC POSITIONING: | N |
| ANTI-ROLL: | N |
| STABILIZER: | N |
| DEEP ANCHOR: | NONE FEET |
| BERTHING VAN DIMENSIONS: | NONE |
| INSTRUMENT VAN DIMENSIONS: | 8X8X20 |
| WET-LAB: | Y |
| DRY-LAB: | Y |
| AMMUNITION STORAGE: | Y |
| HELO SUPPORT: | N |
| METEOROLOGICAL OBSERVATIONS: | NO |

UTILITY BOATS:

1. 14 FOOT RUBBER INFLATABLE
2. 4 FOOT RUBBER INFLATABLE

A, U, OR L FRAMES

| | |
|---|---|
| MAX HOIST CAPACITY: | 40000 POUNDS |
| NUMBER OF FRAMES: | 1 |

CRANES OR BOOMS

| | |
|---|---|
| MAX HOIST CAPACITY: | 12000 POUNDS |
| NUMBER OF CRANES: | 2 |

WINCHES:

| | |
|---|---|
| 01. MAJOR TYPE/USE: | DEEP SEA |
| SECONDARY TYPE/USE: | OCEANOGRAPHIC |
| SLIP-RINGS: | 1 |
| TYPE WIRE: | WIRE ROPE |
| WIRE LENGTH: | 45000 FEET |
| WIRE DIAMETER: | 0.563 INCHES |
| SECONDARY WIRE LEN: | 45000 FEET |
| SECONDARY WIRE DIAM: | 0.680 INCHES |
| 02. MAJOR TYPE/USE: | HYDROGRAPHIC |
| SECONDARY TYPE/USE: | STD |
| SLIP-RINGS: | 1 |
| TYPE WIRE: | WIRE ROPE |
| WIRE LENGTH: | 25000 FEET |
| WIRE DIAMETER: | 0.250 INCHES |
| SECONDARY WIRE LEN: | 25000 FEET |
| SECONDARY WIRE DIAM: | 0.255 INCHES |
| 03. MAJOR TYPE/USE: | STD |
| SECONDARY TYPE/USE: | HYDROGRAPHIC |
| SLIP-RINGS: | 1 |
| TYPE WIRE: | WIRE ROPE |
| WIRE LENGTH: | 25000 FEET |
| WIRE DIAMETER: | 0.225 INCHES |
| SECONDARY WIRE LEN: | 25000 FEET |
| SECONDARY WIRE DIAM: | 0.250 INCHES |

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ELECTRONIC EQUIPMENT

| | |
|---|---|
| COMPUTERS: | IBM 1800 |
| FACSIMILE: | Y |
| ELECTROMAGNETIC LOG: | N |
| INERTIAL NAVIGATION: | N |
| RADAR (SURFACE SCAN): | Y |
| LORAN A: | N |
| LORAN C: | Y |
| OMEGA: | Y |
| SATELLITE NAVIGATION: | Y |
| RADIO TELETYPE COMMUNICATION: | Y |
| SINGLE SIDE BAND: | Y |
| VHF COMMUNICATIONS: | Y |
| STABLE TABLE: | Y |
| NARROW BEAM: | Y |

| | |
|---|---|
| SEISMIC PROFILING: | Y |
| SIDE SCAN: | N |
| SOUNDING SYSTEM (SHALLOW): | RAYTHEON |
| SOUNDING SYSTEM (DEEP): | SEABEAM,EDO |

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THOMAS WASHINGTON

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THOMAS WASHINGTON LAST CHANGED 10 DEC 82

OPS SCHEDULE FOR PERIOD
01 JAN 83 THRU 31 DEC 83

| | | | |
|---|---|---|---|
| OCEANOGRAPHIC RESEARCH | FOX,RYAN,FORNARI | SCRIPPS | |
| DEP: 04 JAN 83 SAN DIEGO, CA<br>ARR: 01 FEB 83 MANZANILLO, MX | PASCUA LEG 1.USE SEABEAM & SEAMARC | | 28 |
| AREA INDEX: NP9 NP13 | | | |
| OCEANOGRAPHIC RESEARCH | FOX,REA | SCRIPPS | |
| DEP: 05 FEB 83 MANZANILLO, MX<br>ARR: 27 FEB 83 EASTER ISLAND | PASCUA LEG 2. SEABEAM TO DEFINE TEC<br>FABRIC AT GARRETT TRANSFORM | | 22 |
| AREA INDEX: NP13 SP3 | | | |
| OCEANOGRAPHIC RESEARCH | CRAIG | SCRIPPS | |
| DEP: 03 MAR 83 EASTER ISLAND<br>ARR: 29 MAR 83 EASTER ISLAND | PASCUA LEG 3.HYDROTHERMAL VENT,SEAB<br>PLUME STUDIES,MEHETIA SEAMOUNT | | 26 |
| AREA INDEX: SP3 | | | |
| OCEANOGRAPHIC RESEARCH | HEY | SCRIPPS | |
| DEP: 02 APR 83 EASTER ISLAND<br>ARR: 30 APR 83 CALLAO, PERU | PASCUA LEG 4.SEABEAM & MAGNETIC SUR | | 28 |
| AREA INDEX: SP3 SP3A | | | |
| OCEANOGRAPHIC RESEARCH | | SCRIPPS | |
| DEP: 04 MAY 83 CALLAO, PERU<br>ARR: 19 MAY 83 SAN DIEGO, CA | PASCUA LEG 6. TRANSIT | | 15 |
| AREA INDEX: SP3A NP13 NP9 | | | |
| OCEANOGRAPHIC RESEARCH | LONSDALE | SCRIPPS | |
| DEP: 27 JUN 83 SAN DIEGO, CA<br>ARR: 06 JUL 83 SAN DIEGO, CA | SEAMOUNT SURVEYS | | 9 |
| AREA INDEX: NP9 | | | |
| OUT OF SERVICE | | SCRIPPS | |
| DEP: 07 JUL 83 SAN DIEGO, CA<br>ARR: 31 DEC 83 SAN DIEGO, CA | YARD FOR MIDLIFE REFIT | | 177 |
| AREA INDEX: NP9 | | | |

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## BLUE FIN

### POINT OF CONTACT INFORMATION

| | |
|---|---|
| POC: | MR LEE H KNIGHT |
| POC OFFICE: | - |
| POC ORGANIZATION: | SKIDAWAY INSTITUTE OF OCEANOGRAPHY |
| POC ADDRESS: | PO BOX 13687 |
| POC CITY/STATE: | SAVANNAH GA 31406 |
| FTS PREFIX: | 912 |
| COMMERCIAL AREA CODE: | 912 |
| PHONE: | 356-2486 |

### ADMINISTRATIVE DETAILS

| | |
|---|---|
| COMMON SHIP NAME: | FIN |
| DESIGNATOR: | RV |
| CLASS: | TRAWLER YACHT |
| CALL SIGN (INTERNATIONAL): | - |
| FLEET: | UNOLS |
| SHIP TYPE: | - |
| SHIP OWNER: | UNIVERSITY SYSTEM OF GEORGIA |
| CERTIFICATION AUTHORITY: | US COAST GUARD |
| FLAG REGISTRY: | USA |
| HOME PORT: | SAVANNAH GA |
| TECHNICAL SPONSOR: | U SKIDAWAY INSTITUTE OF OCEANOGRAPHY |
| OPERATIONS CONTROL: | SKIDAWAY INST. OF OCEANOGRAPHY |
| CONTRACTUAL INFORMATION: | NONE |
| OPERATING COST/DAY: | 0.7/80 THOUSAND $'S |
| SCIENTIFIC COMPLEMENT: | 8 |
| NUMBER OFFICERS: | 2 |
| NUMBER IN CREW: | 3 |
| MAX SEA STATE: | 4 BEAUFORT SCALE |
| ENDURANCE: | 12 DAY(S) |
| LIMITING FACTOR: | WATER-ACCOMMODATIONS |
| BUILDER: | XNIDIES |
| WHERE BUILT: | ST.AUGUSTINE FL USA |
| INITIAL COST: | - |
| DUE DATE: | - |
| KEEL DATE: | - |
| LAUNCH DATE: | '72 |
| DELIVERY DATE: | '72 |
| COMMISSION DATE: | - |
| CONVERSION DATE: | '75 |
| LAST OVERHAUL: | '81 |
| MAINTENANCE CYCLE: | - YEARS |
| END OF LIFE: | 1995 |
| UPDATE OF INFORMATION: | 16 DEC 82 |

### SHIP DIMENSIONS

| | |
|---|---|
| LENGTH: | 72.0 FEET |
| MAX BEAM: | 20.0 FEET |
| HEIGHT: | 60.0 FEET |
| GROSS TONNAGE: | - |
| DISPLACEMENT: | 86 TONS |
| DRAUGHT: | 8.5 FEET |
| CRUISE SPEED: | 10.0 KNOTS |
| RANGE: | 3000 NAUTICAL MILES |
| MAX SPEED: | 10.0 KNOTS |
| MIN SPEED: | 0.5 KNOTS |

## ENGINEERING/DECK EQUIPMENT

| | |
|---|---|
| MAIN PROPULSION: | DIESEL GEARED |
| AUXILIARY PROPULSION: | - |
| NUMBER OF SHAFTS: | 1 |
| FUEL TYPE: | 2 DIESEL |
| BOW THRUSTER: | NO |
| ACTIVE RUDDER: | N |
| DYNAMIC POSITIONING: | N |
| ANTI-ROLL: | N |
| STABILIZER: | Y |
| DEEP ANCHOR: | NONE FEET |
| BERTHING VAN DIMENSIONS: | NO |
| INSTRUMENT VAN DIMENSIONS: | NO |
| WET-LAB: | Y |
| DRY-LAB: | Y |
| AMMUNITION STORAGE: | N |
| HELO SUPPORT: | N |
| METEOROLOGICAL OBSERVATIONS: | - |
| UTILITY BOATS: | N |
| A, U, OR L FRAMES | |
| MAX HOIST CAPACITY: | 6000 POUNDS |
| NUMBER OF FRAMES: | 1 |
| CRANES OR BOOMS | |
| MAX HOIST CAPACITY: | 5000 POUNDS |
| NUMBER OF CRANES: | 1 |
| WINCHES: | |
| 01. MAJOR TYPE/USE: | HYDROGRAPHIC |
| SECONDARY TYPE/USE: | OTHER |
| SLIP-RINGS: | 6 |
| TYPE WIRE: | CONDUCTOR CABLE |
| WIRE LENGTH: | 2700 FEET |
| WIRE DIAMETER: | 0.219 INCHES |
| 02. MAJOR TYPE/USE: | TRAWL |
| SECONDARY TYPE/USE: | CORING |
| SLIP-RINGS: | N |
| TYPE WIRE: | WIRE ROPE |
| WIRE LENGTH: | 600 FEET |
| WIRE DIAMETER: | 0.500 INCHES |
| 03. MAJOR TYPE/USE: | HYDROGRAPHIC |
| SECONDARY TYPE/USE: | UNKNOWN |
| SLIP-RINGS: | N |
| TYPE WIRE: | WIRE ROPE |
| WIRE LENGTH: | 5000 FEET |
| WIRE DIAMETER: | 0.250 INCHES |
| 04. MAJOR TYPE/USE: | ANCHOR |
| SECONDARY TYPE/USE: | UNKNOWN |
| SLIP-RINGS: | N |
| TYPE WIRE: | WIRE ROPE |
| WIRE LENGTH: | 600 FEET |
| WIRE DIAMETER: | 0.562 INCHES |

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## ELECTRONIC EQUIPMENT

| | |
|---|---|
| COMPUTERS: | NONE |
| FACSIMILE: | Y |
| ELECTROMAGNETIC LOG: | N |
| INERTIAL NAVIGATION: | N |
| RADAR (SURFACE SCAN): | Y |
| LORAN A: | Y |
| LORAN C: | Y |
| OMEGA: | N |
| SATELLITE NAVIGATION: | N |
| RADIO TELETYPE COMMUNICATION: | N |
| SINGLE SIDE BAND: | Y |
| VHF COMMUNICATIONS: | Y |
| STABLE TABLE: | N |
| NARROW BEAM: | N |
| SEISMIC PROFILING: | N |
| SIDE SCAN: | N |
| SOUNDING SYSTEM (SHALLOW): | RAYTHEON |
| SOUNDING SYSTEM (DEEP): | SIMRAD |

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BLUE FIN LAST CHANGED 14 DEC 82

OPS SCHEDULE FOR PERIOD
01 JAN 83 THRU 31 DEC 83

OCEANOGRAPHIC RESEARCH SKIDAWAY INSTI

DEP: 01 JAN 83 SAVANNAH GA FREQUENT CRUISES IN COASTAL NC,SC,G
ARR: 31 DEC 83 SAVANNAH, GA CALL POC FOR DETAILS 365
AREA INDEX: NA6 NA9

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## VELERO IV

### POINT OF CONTACT INFORMATION

| | |
|---|---|
| POC: | MR DON NEWMAN |
| POC OFFICE: | MANAGER MARINE SUPPORT FACILITY |
| POC ORGANIZATION: | INST. FOR MARINE AND COASTAL STUDIES |
| POC ADDRESS: | UNIV. OF SOUTHERN CALIFORNIA |
| POC CITY/STATE: | LOS ANGELES CA 90089 |
| FTS PREFIX: | 213 |
| COMMERCIAL AREA CODE: | 213 |
| PHONE: | 743-6977 |

### ADMINISTRATIVE DETAILS

| | |
|---|---|
| COMMON SHIP NAME: | VELERO |
| DESIGNATOR: | RV |
| CLASS: | TUNA CLIPPER |
| CALL SIGN (INTERNATIONAL): | - |
| FLEET: | UNOLS |
| SHIP TYPE: | OCEAN RESEARCH-GENERAL |
| SHIP OWNER: | UNIV. OF SOUTHERN CALIFORNIA |
| CERTIFICATION AUTHORITY: | US COAST GUARD |
| FLAG REGISTRY: | USA |
| HOME PORT: | WILMINGTON CA |
| TECHNICAL SPONSOR: | U UNIV. OF SOUTHERN CALIFORNIA |
| OPERATIONS CONTROL: | UNIV. OF SOUTHERN CALIFORNIA |
| CONTRACTUAL INFORMATION: | NONE |
| OPERATING COST/DAY: | 4.8/81 THOUSAND $'S |
| SCIENTIFIC COMPLEMENT: | 12 |
| NUMBER OFFICERS: | 5 |
| NUMBER IN CREW: | 6 |
| MAX SEA STATE: | 4 BEAUFORT SCALE |
| ENDURANCE: | 18 DAY(S) |
| LIMITING FACTOR: | WATER STORAGE |
| BUILDER: | NATIONAL IRON WORKS |
| WHERE BUILT: | SAN DIEGO CA USA |
| INITIAL COST: | 1.0/48 MILLION $'S IN YEAR |
| DUE DATE: | - |
| KEEL DATE: | - |
| LAUNCH DATE: | '48 |
| DELIVERY DATE: | '48 |
| COMMISSION DATE: | '48 |
| CONVERSION DATE: | '72 |
| LAST OVERHAUL: | 15 JAN 80 |
| MAINTENANCE CYCLE: | 1.5 YEARS |
| END OF LIFE: | 1988 |
| UPDATE OF INFORMATION: | 16 DEC 82 |

### SHIP DIMENSIONS

| | |
|---|---|
| LENGTH: | 110.0 FEET |
| MAX BEAM: | 27.0 FEET |
| HEIGHT: | 55.0 FEET |
| GROSS TONNAGE: | 292 |
| DISPLACEMENT: | 650 TONS |
| DRAUGHT: | 13.2 FEET |
| CRUISE SPEED: | 9.5 KNOTS |
| RANGE: | 11500 NAUTICAL MILES |
| MAX SPEED: | 10.5 KNOTS |
| MIN SPEED: | 2.3 KNOTS |

ENGINEERING/DECK EQUIPMENT

| | |
|---|---|
| MAIN PROPULSION: | DIESEL GEARED |
| AUXILIARY PROPULSION: | NO |
| NUMBER OF SHAFTS: | 1 |
| FUEL TYPE: | 2 DIESEL |
| BOW THRUSTER: | NO |
| ACTIVE RUDDER: | N |
| DYNAMIC POSITIONING: | N |
| ANTI-ROLL: | N |
| STABILIZER: | N |
| DEEP ANCHOR: | 1500 FEET |
| BERTHING VAN DIMENSIONS: | NO |
| INSTRUMENT VAN DIMENSIONS: | 9X7X7 |
| WET-LAB: | Y |
| DRY-LAB: | Y |
| AMMUNITION STORAGE: | N |
| HELO SUPPORT: | N |
| METEOROLOGICAL OBSERVATIONS: | SURFACE |
| UTILITY BOATS: | |
| 1. 18 FOOT SURVEY LAUNCH | |
| 2. 0 FOOT SURVEY LAUNCH | |
| A, U, OR L FRAMES | |
| MAX HOIST CAPACITY: | 30000 POUNDS |
| NUMBER OF FRAMES: | 2 |
| CRANES OR BOOMS | |
| MAX HOIST CAPACITY: | POUNDS |
| NUMBER OF CRANES: | 0 |
| WINCHES: | |
| 01. MAJOR TYPE/USE: | HYDROGRAPHIC |
| SECONDARY TYPE/USE: | UNKNOWN |
| SLIP-RINGS: | N |
| TYPE WIRE: | WIRE ROPE |
| WIRE LENGTH: | 18000 FEET |
| WIRE DIAMETER: | 0.187 INCHES |
| 02. MAJOR TYPE/USE: | HYDROGRAPHIC |
| SECONDARY TYPE/USE: | CORING |
| SLIP-RINGS: | N |
| TYPE WIRE: | WIRE ROPE |
| WIRE LENGTH: | 20000 FEET |
| WIRE DIAMETER: | 0.500 INCHES |

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ELECTRONIC EQUIPMENT

| | |
|---|---|
| COMPUTERS: | TEKTRONICS 4051 |
| FACSIMILE: | N |
| ELECTROMAGNETIC LOG: | N |
| INERTIAL NAVIGATION: | N |
| RADAR (SURFACE SCAN): | Y |
| LORAN A: | N |
| LORAN C: | Y |
| OMEGA: | Y |
| SATELLITE NAVIGATION: | Y |
| RADIO TELETYPE COMMUNICATION: | N |
| SINGLE SIDE BAND: | Y |
| VHF COMMUNICATIONS: | Y |
| STABLE TABLE: | N |
| NARROW BEAM: | N |
| SEISMIC PROFILING: | N |
| SIDE SCAN: | N |
| SOUNDING SYSTEM (SHALLOW): | KONEL |
| SOUNDING SYSTEM (DEEP): | EDO |

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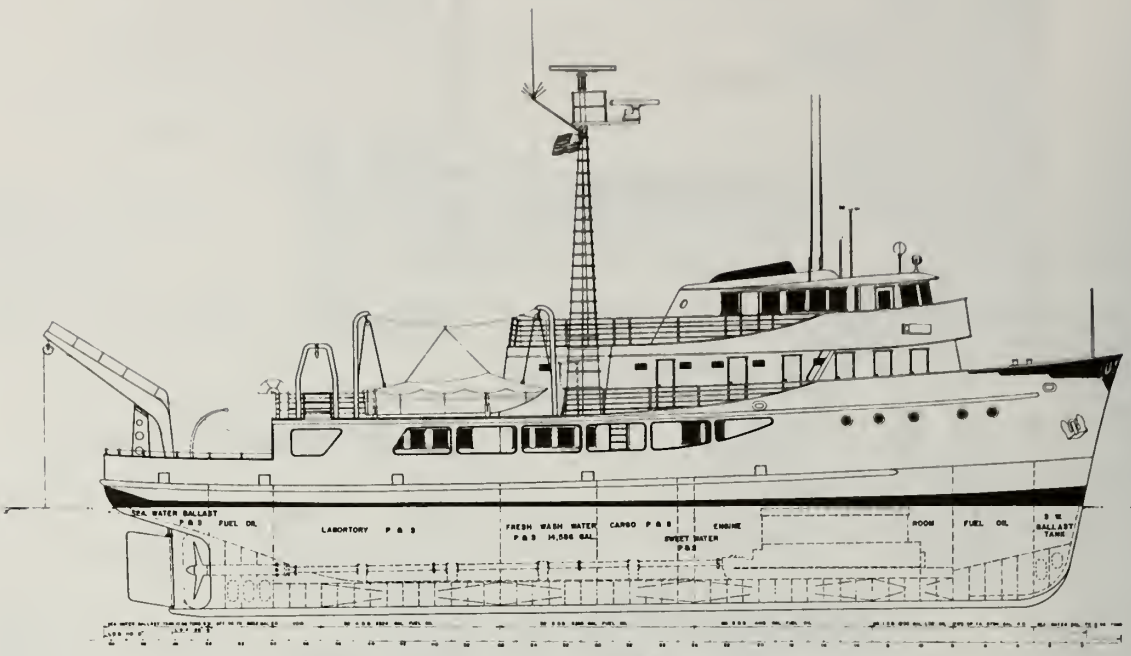
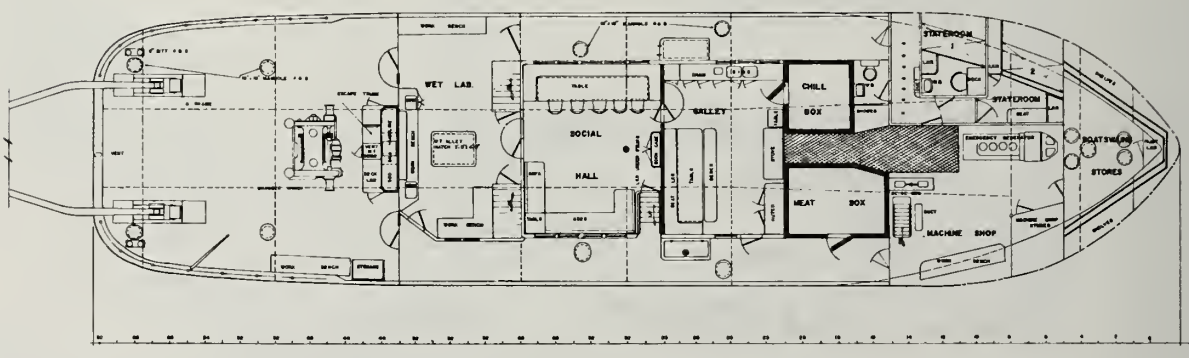



PROFILE




MAIN DECK

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VELERO IV LAST CHANGED 02 DEC 82

OPS SCHEDULE FOR PERIOD
01 JAN 83 THRU 31 DEC 83

OPEN

DEP: 03 JAN 83 WILMINGTON, CA OPEN 68
ARR: 11 MAR 83 WILMINGTON, CA
AREA INDEX: OPEN

OCE 8110154R DR CHILDRESS USC

DEP: 14 MAR 83 WILMINGTON, CA OCE 8110154R SAN CLEMENTE BASIN 5
ARR: 18 MAR 83 WILMINGTON, CA
AREA INDEX: NP9

OCE 8024259 DR CHILDRESS USC

DEP: 21 MAR 83 WILMINGTON, CA OCE 8024259 5
ARR: 25 MAR 83 WILMINGTON, CA
AREA INDEX: NP9

OCE 8208181 DR HENYEY USC

DEP: 28 MAR 83 WILMINGTON, CA OCE 8208181 3
ARR: 30 MAR 83 WILMINGTON, CA
AREA INDEX: NP9

OPEN

DEP: 31 MAR 83 WILMINGTON, CA OPEN 1
ARR: 31 MAR 83 WILMINGTON, CA
AREA INDEX: OPEN

OPUS DR DUGDALE USC

DEP: 01 APR 83 WILMINGTON, CA OPUS (OCE T.B.D.)
ARR: 13 MAY 83 WILMINGTON, CA IN PORT ON WEEKENDS 43
AREA INDEX: NP9

OCE 8208187 DR PREZELIN USC

DEP: 16 MAY 83 WILMINGTON, CA OCE 8208187 SANTA BARBARA BASIN 12
ARR: 27 MAY 83 WILMINGTON, CA
AREA INDEX: NP9

OCE 8209249 DR HAMMOND USC

DEP: 30 MAY 83 WILMINGTON, CA OCE 8209249 SO. CAL. BORDERLAND 12
ARR: 10 JUN 83 WILMINGTON, CA
AREA INDEX: NP9

OCE 7924975R DR PIEPER USC

DEP: 13 JUN 83 WILMINGTON, CA OCE 7924975R SO. CAL. BASINS 5
ARR: 17 JUN 83 WILMINGTON, CA

AREA INDEX: NP9

OPEN

DEP: 20 JUN 83 WILMINGTON, CA OPEN 26
ARR: 15 JUL 83 WILMINGTON, CA
AREA INDEX: OPEN

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OCE 8208187                          DR PREZELIN              USC

DEP: 18 JUL 83 WILMINGTON, CA       OCE 8208187 SANTA BARBARA BASIN
ARR: 27 JUL 83 WILMINGTON, CA                                    10
AREA INDEX: NP9
     ..........................................
OCE 8208181                          DR HENYEY                USC

DEP: 28 JUL 83 WILMINGTON, CA       OCE 8208181
ARR: 29 JUL 83 WILMINGTON, CA                                     2
AREA INDEX: NP9
     ..........................................
OCE 8110154                          DR CHILDRESS             USC

DEP: 01 AUG 83 WILMINGTON, CA       OCE 8110154 GUADALUPE ISLAND
ARR: 12 AUG 83 WILMINGTON, CA                                    12
AREA INDEX: NP9
     ..........................................
OPEN

DEP: 15 AUG 83 WILMINGTON, CA       OPEN
ARR: 26 AUG 83 WILMINGTON, CA                                    12
AREA INDEX: OPEN
     ..........................................
OCE 8024259R                         DR CHILDRESS             USC

DEP: 29 AUG 83 WILMINGTON, CA       OCE 8024259R
ARR: 02 SEP 83 WILMINGTON, CA                                     4
AREA INDEX: NP9
     ..........................................
OCE 8208187                          DR PREZELIN              USC

DEP: 05 SEP 83 WILMINGTON, CA       OCE 8208187 SANTA BARBARA BASIN
ARR: 16 SEP 83 WILMINGTON, CA                                    12
AREA INDEX: NP9
     ..........................................
OCE 8208181                          DR HENYEY                USC

DEP: 19 SEP 83 WILMINGTON, CA       OCE 8208181
ARR: 20 SEP 83 WILMINGTON, CA                                     2
AREA INDEX: NP9
     ..........................................
OPEN

DEP: 21 SEP 83 WILMINGTON, CA       OPEN
ARR: 04 NOV 83 WILMINGTON, CA                                    45
AREA INDEX: OPEN
     ..........................................
OUT OF SERVICE                                                   USC

DEP: 07 NOV 83 WILMINGTON, CA       SHIP MAINTENANCE
ARR: 31 DEC 83 WILMINGTON, CA                                    55

AREA INDEX: NP9
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### POINT OF CONTACT INFORMATION

| | |
|---|---|
| POC: | CAPT T K TREADWELL |
| POC OFFICE: | MARINE OPERATIONS OFFICER |
| POC ORGANIZATION: | DEPARTMENT OF OCEANOGRAPHY |
| POC ADDRESS: | TEXAS A & M UNIVERSITY |
| POC CITY/STATE: | COLLEGE STATION TX 77843 |
| FTS PREFIX: | 713 |
| COMMERCIAL AREA CODE: | 713 |
| PHONE: | 845-7211 |

### ADMINISTRATIVE DETAILS

| | |
|---|---|
| DESIGNATOR: | AGOR 21 |
| CLASS: | AGOR 21 CLASS |
| CALL SIGN (INTERNATIONAL): | KJCL |
| FLEET: | UNOLS |
| SHIP TYPE: | OCEAN RESEARCH - GENERAL |
| SHIP OWNER: | USN |
| CERTIFICATION AUTHORITY: | AMERICAN BUREAU OF SHIPPING |
| FLAG REGISTRY: | USA |
| HOME PORT: | GALVESTON TX |
| TECHNICAL SPONSOR: | U TEXAS A & M UNIVERSITY |
| OPERATIONS CONTROL: | U TEXAS A & M UNIVERSITY |
| CONTRACTUAL INFORMATION: | AVAILABLE FOR REIMBURSABLE LEASE. CALL POC |
| OPERATING COST/DAY: | 7.5/82 THOUSAND $'S |
| SCIENTIFIC COMPLEMENT: | 22 |
| NUMBER OFFICERS: | 5 |
| NUMBER IN CREW: | 5 |
| MAX SEA STATE: | 8 BEAUFORT SCALE |
| ENDURANCE: | 60 DAY(S) |
| LIMITING FACTOR: | FUEL |
| BUILDER: | HALTER MARINE SERVICES INC |
| WHERE BUILT: | NEW ORLEANS LA USA |
| INITIAL COST: | 3.1/73 MILLION $'S IN YEAR |
| DUE DATE: | - |
| KEEL DATE: | '73 |
| LAUNCH DATE: | 25 MAY 73 |
| DELIVERY DATE: | 14 NOV 73 |
| COMMISSION DATE: | - |
| CONVERSION DATE: | - |
| LAST OVERHAUL: | 00 JAN 78 |
| MAINTENANCE CYCLE: | 2.0 YEARS |
| END OF LIFE: | 2003 |
| UPDATE OF INFORMATION: | 20 OCT 82 |

### SHIP DIMENSIONS

| | |
|---|---|
| LENGTH: | 174.0 FEET |
| MAX BEAM: | 36.0 FEET |
| HEIGHT: | 42.0 FEET |
| GROSS TONNAGE: | 298 |
| DISPLACEMENT: | 1437 TONS |
| DRAUGHT: | 13.1 FEET |
| CRUISE SPEED: | 9.5 KNOTS |
| RANGE: | 8000 NAUTICAL MILES |
| MAX SPEED: | 11.8 KNOTS |
| MIN SPEED: | 0.1 KNOTS |

ENGINEERING/DECK EQUIPMENT

| | |
|---|---|
| MAIN PROPULSION: | DIESEL GEARED |
| AUXILIARY PROPULSION: | NO |
| NUMBER OF SHAFTS: | 2 |
| FUEL TYPE: | DFM |
| BOW THRUSTER: | ELECTRIC |
| ACTIVE RUDDER: | N |
| DYNAMIC POSITIONING: | N |
| ANTI-ROLL: | N |
| STABILIZER: | N |
| DEEP ANCHOR: | 10000 FEET |
| BERTHING VAN DIMENSIONS: | NO |
| INSTRUMENT VAN DIMENSIONS: | 8X8X16 |
| WET-LAB: | Y |
| DRY-LAB: | Y |
| AMMUNITION STORAGE: | Y |
| HELO SUPPORT: | N |
| METEOROLOGICAL OBSERVATIONS: | SURFACE |
| UTILITY BOATS: | |
| 1. 15 FOOT RUBBER INFLATABLE | |
| A, U, OR L FRAMES | |
| MAX HOIST CAPACITY: | 30000 POUNDS |
| NUMBER OF FRAMES: | 3 |
| CRANES OR BOOMS | |
| MAX HOIST CAPACITY: | 5000 POUNDS |
| NUMBER OF CRANES: | 1 |
| WINCHES: | |
| 01. MAJOR TYPE/USE: | HYDROGRAPHIC |
| SECONDARY TYPE/USE: | UNKNOWN |
| SLIP-RINGS: | N |
| TYPE WIRE: | WIRE ROPE |
| WIRE LENGTH: | 30000 FEET |
| WIRE DIAMETER: | 0.250 INCHES |
| 02. MAJOR TYPE/USE: | STD |
| SECONDARY TYPE/USE: | UNKNOWN |
| SLIP-RINGS: | Y |
| TYPE WIRE: | WIRE ROPE |
| WIRE LENGTH: | 30000 FEET |
| WIRE DIAMETER: | 0.250 INCHES |
| 03. MAJOR TYPE/USE: | TRAWL |
| SECONDARY TYPE/USE: | UNKNOWN |
| SLIP-RINGS: | N |
| TYPE WIRE: | WIRE ROPE |
| WIRE LENGTH: | 30000 FEET |
| WIRE DIAMETER: | 0.500 INCHES |

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ELECTRONIC EQUIPMENT

| | |
|---|---|
| COMPUTERS: | HP 2100 |
| FACSIMILE: | Y |
| ELECTROMAGNETIC LOG: | Y |
| INERTIAL NAVIGATION: | N |
| RADAR (SURFACE SCAN): | Y |
| LORAN A: | Y |
| LORAN C: | Y |
| OMEGA: | Y |
| SATELLITE NAVIGATION: | Y |
| RADIO TELETYPE COMMUNICATION: | N |
| SINGLE SIDE BAND: | Y |
| VHF COMMUNICATIONS: | Y |
| STABLE TABLE: | N |
| NARROW BEAM: | N |
| SEISMIC PROFILING: | Y |
| SIDE SCAN: | N |
| SOUNDING SYSTEM (SHALLOW): | ROSS |
| SOUNDING SYSTEM (DEEP): | RAYTHEON |

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GYRE LAST CHANGED 14 DEC 82

OPS SCHEDULE FOR PERIOD
01 JAN 83 THRU 31 DEC 83

OUT OF SERVICE TAMU

DEP: 16 DEC 82 GALVESTON, TX MAINTENANCE & UPKEEP
ARR: 22 FEB 83 GALVESTON, TX 69
AREA INDEX: NA9

OCEANOGRAPHIC RESEARCH MERRELL TEXAS A & M

DEP: 23 FEB 83 GALVESTON, TX STUDENT TRAINING & RESEARCH
ARR: 27 FEB 83 GALVESTON, TX GULF OF MEXICO 4
AREA INDEX: NA9

OCEANOGRAPHIC RESEARCH TREADWELL TEXAS A & M

DEP: 02 MAR 83 GALVESTON, TX STUDENT TRAINING & RESEARCH
ARR: 06 MAR 83 GALVESTON, TX GULF OF MEXICO 4
AREA INDEX: NA9

OCEANOGRAPHIC RESEARCH BROOKS/SCOTT TEXAS A & M

DEP: 12 MAR 83 GALVESTON, TX CHEMISTRY - GULF OF MEXICO
ARR: 04 APR 83 GALVESTON, TX 23
AREA INDEX: NA9

OCEANOGRAPHIC RESEARCH TEXAS A & M

DEP: 11 APR 83 GALVESTON, TX TRANSIT
ARR: 15 APR 83 MIAMI, FL 4
AREA INDEX: NA9

OCEANOGRAPHIC RESEARCH MADIN TEXAS A & M

DEP: 18 APR 83 MIAMI, FL TRANSIT & RESEARCH
ARR: 03 MAY 83 WOODS HOLE, MA 15
AREA INDEX: NA9 NA6

OCEANOGRAPHIC RESEARCH BROOKS TEXAS A & M

DEP: 08 MAY 83 WOODS HOLE, MA PHYSICAL OCEANOGRAPHY
ARR: 22 MAY 83 WOODS HOLE, MA NEW ENGLAND COAST 14
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH BUTMAN TEXAS A & M

DEP: 27 MAY 83 WOODS HOLE, MA NEW ENGLAND COAST
ARR: 03 JUN 83 WOODS HOLE, MA 7

AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH BISCAYNE/HOGG TEXAS A & M

DEP: 07 JUN 83 WOODS HOLE, MA CAPE COD - BERMUDA - CAPE COD
ARR: 06 JUL 83 WOODS HOLE, MA 29
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH SPINDEL TEXAS A & M

DEP: 11 JUL 83 WOODS HOLE, MA NEW ENGLAND COAST
ARR: 17 JUL 83 WOODS HOLE, MA 6
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH USGS TEXAS A & M

```
DEP: 25 JUL 83 WOODS HOLE, MA       EAST COAST, CONTINENTAL SHELF
ARR: 22 SEP 83 WOODS HOLE, MA                                      59
AREA INDEX: NA6
     .....................................
OCEANOGRAPHIC RESEARCH           BRYDEN              TEXAS A & M

DEP: 27 SEP 83 WOODS HOLE, MA       CAPE COD - BERMUDA - CAPE COD
ARR: 20 OCT 83 WOODS HOLE, MA                                      23
AREA INDEX: NA6
     .....................................
OCEANOGRAPHIC RESEARCH                                  TEXAS A & M

DEP: 25 OCT 83 WOODS HOLE, MA       TRANSIT
ARR: 03 NOV 83 GALVESTON, TX                                        9
AREA INDEX: NA6   NA9
     .....................................
OCEANOGRAPHIC RESEARCH           MERRELL             TEXAS A & M

DEP: 09 NOV 83 GALVESTON, TX        STUDENT TRAINING & RESEARCH
ARR: 13 NOV 83 GALVESTON, TX        GULF OF MEXICO                  4
AREA INDEX: NA9
     .....................................
OCEANOGRAPHIC RESEARCH           TREADWELL           TEXAS A & M

DEP: 16 NOV 83 GALVESTON, TX        STUDENT TRAINING & RESEARCH
ARR: 20 NOV 83 GALVESTON, TX        GULF OF MEXICO                  4
AREA INDEX: NA9
     .....................................
OCEANOGRAPHIC RESEARCH           SCOTT/BROOKS/FANNING  TEXAS A & M

DEP: 25 NOV 83 GALVESTON, TX        CHEMISTRY - GULF OF MEXICO
ARR: 14 DEC 83 GALVESTON, TX                                       19
AREA INDEX: NA9
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## IDA GREEN

### POINT OF CONTACT INFORMATION

| | |
|---|---|
| POC: | WILLIAM H MITCHELL |
| POC OFFICE: | MARINE OPERATIONS SUPERINTENDENT |
| POC ORGANIZATION: | INSTITUTE FOR GEOPHYSICS, UNIV OF TX |
| POC ADDRESS: | 700 THE STRAND |
| POC CITY/STATE: | GALVESTON TX 77550 |
| FTS PREFIX: | 713 |
| COMMERCIAL AREA CODE: | 713 |
| PHONE: | 765-2276 |

### ADMINISTRATIVE DETAILS

| | |
|---|---|
| DESIGNATOR: | RV |
| CLASS: | OFFSHORE SUPPLY BOAT |
| CALL SIGN (INTERNATIONAL): | - |
| FLEET: | UNOLS |
| SHIP TYPE: | OCEAN RESEARCH-GEOLOGY |
| SHIP OWNER: | UNIV. OF TEXAS |
| CERTIFICATION AUTHORITY: | AMERICAN BUREAU OF SHIPPING |
| FLAG REGISTRY: | USA |
| HOME PORT: | GALVESTON TX USA |
| TECHNICAL SPONSOR: | U. OF TX. INST. FOR GEOPHYSICS |
| OPERATIONS CONTROL: | U. OF TX. INST. FOR GEOPHYSICS |
| CONTRACTUAL INFORMATION: | NONE |
| OPERATING COST/DAY: | 4.4/81 THOUSAND $'S |
| SCIENTIFIC COMPLEMENT: | 12 |
| NUMBER OFFICERS: | - |
| NUMBER IN CREW: | 7 |
| MAX SEA STATE: | 4 BEAUFORT SCALE |
| ENDURANCE: | 21 DAY(S) |
| LIMITING FACTOR: | REFRIGERATED STORES |
| BUILDER: | GULFPORT SHIP BUILDING |
| WHERE BUILT: | GULFPORT TX USA |
| INITIAL COST: | - |
| DUE DATE: | - |
| KEEL DATE: | - |
| LAUNCH DATE: | '65 |
| DELIVERY DATE: | - |
| COMMISSION DATE: | - |
| CONVERSION DATE: | - |
| LAST OVERHAUL: | - |
| MAINTENANCE CYCLE: | - YEARS |
| END OF LIFE: | 1985 |
| UPDATE OF INFORMATION: | 15 NOV 82 |

### SHIP DIMENSIONS

| | |
|---|---|
| LENGTH: | 130.0 FEET |
| MAX BEAM: | 27.0 FEET |
| HEIGHT: | - FEET |
| GROSS TONNAGE: | 198 |
| DISPLACEMENT: | - TONS |
| DRAUGHT: | 10.5 FEET |
| CRUISE SPEED: | 10.0 KNOTS |
| RANGE: | 5000 NAUTICAL MILES |
| MAX SPEED: | 10.5 KNOTS |
| MIN SPEED: | 3.5 KNOTS |

ENGINEERING/DECK EQUIPMENT

| | |
|---|---|
| MAIN PROPULSION: | DIESEL GEARED |
| AUXILIARY PROPULSION: | - |
| NUMBER OF SHAFTS: | 2 |
| FUEL TYPE: | 2 DIESEL |
| BOW THRUSTER: | NO |
| ACTIVE RUDDER: | Y |
| DYNAMIC POSITIONING: | N |
| ANTI-ROLL: | Y |
| STABILIZER: | N |
| DEEP ANCHOR: | NONE FEET |
| BERTHING VAN DIMENSIONS: | - |
| INSTRUMENT VAN DIMENSIONS: | - |
| WET-LAB: | - |
| DRY-LAB: | Y |
| AMMUNITION STORAGE: | Y |
| HELO SUPPORT: | N |
| METEOROLOGICAL OBSERVATIONS: | N |
| UTILITY BOATS: | |
| 1. 12 FOOT SKIFF | |
| A, U, OR L FRAMES | |
| MAX HOIST CAPACITY: | 10000 POUNDS |
| NUMBER OF FRAMES: | 1 |
| CRANES OR BOOMS | |
| MAX HOIST CAPACITY: | 3800 POUNDS |
| NUMBER OF CRANES: | 1 |
| WINCHES: | |
| 01. MAJOR TYPE/USE: | HYDROGRAPHIC |
| SECONDARY TYPE/USE: | CORING |
| SLIP-RINGS: | |
| TYPE WIRE: | WIRE ROPE |
| WIRE LENGTH: | 29700 FEET |
| WIRE DIAMETER: | 0.250 INCHES |
| 02. MAJOR TYPE/USE: | TRAWL |
| SECONDARY TYPE/USE: | DREDGE |
| SLIP-RINGS: | |
| TYPE WIRE: | WIRE ROPE |
| WIRE LENGTH: | 29700 FEET |
| WIRE DIAMETER: | 0.250 INCHES |

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ELECTRONIC EQUIPMENT

| | |
|---|---|
| COMPUTERS: | TEKTRONIX 4051 |
| FACSIMILE: | - |
| ELECTROMAGNETIC LOG: | - |
| INERTIAL NAVIGATION: | - |
| RADAR (SURFACE SCAN): | Y |
| LORAN A: | N |
| LORAN C: | Y |
| OMEGA: | Y |
| SATELLITE NAVIGATION: | Y |
| RADIO TELETYPE COMMUNICATION: | N |
| SINGLE SIDE BAND: | Y |
| VHF COMMUNICATIONS: | Y |
| STABLE TABLE: | N |
| NARROW BEAM: | Y |
| SEISMIC PROFILING: | Y |
| SIDE SCAN: | N |
| SOUNDING SYSTEM (SHALLOW): | TEXAS INST. |
| SOUNDING SYSTEM (DEEP): | RAYTHEON |

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IDA GREEN LAST CHANGED 06 DEC 82

OPS SCHEDULE FOR PERIOD
01 JAN 83 THRU 31 DEC 83

| | | | |
|---|---|---|---|
| OUT OF SERVICE | | | UT-IG |
| DEP: 23 DEC 82 GALVESTON, TX<br>ARR: 02 JAN 83 GALVESTON, TX<br>AREA INDEX: NA9 | MAINTENANCE, HOLIDAYS | | 11 |
| OPEN | | | UT-IG |
| DEP: 03 JAN 83 GALVESTON, TX<br>ARR: 07 MAR 83 GALVESTON, TX<br>AREA INDEX: OPEN | OPEN | | 63 |
| OUT OF SERVICE | | | UT-IG |
| DEP: 08 MAR 83 GALVESTON, TX<br>ARR: 14 MAR 83 GALVESTON, TX<br>AREA INDEX: NA9 | DRYDOCK, ABS | | 6 |
| OPEN | | | UT-IG |
| DEP: 15 MAR 83 GALVESTON, TX<br>ARR: 31 MAR 83 GALVESTON, TX<br>AREA INDEX: OPEN | OPEN | | 16 |
| OCEANOGRAPHIC RESEARCH | BUFFLER | | UT-IG |
| DEP: 01 APR 83 GALVESTON, TX<br>ARR: 30 APR 83 GALVESTON, TX<br>AREA INDEX: NA9 | IG-47 GULF DREDGING | | 29 |
| OPEN | | | UT-IG |
| DEP: 01 MAY 83 GALVESTON, TX<br>ARR: 23 MAY 83 GALVESTON, TX<br>AREA INDEX: OPEN | OPEN | | 22 |
| OCEANOGRAPHIC RESEARCH | MATSUMOTO | | UT-IG |
| DEP: 24 MAY 83 GALVESTON, TX<br>ARR: 31 MAY 83 GALVESTON, TX<br>AREA INDEX: NA9 | IG-48 FLORIDA BANK | | 7 |
| OPEN | | | UT-IG |
| DEP: 01 JUN 83 GALVESTON, TX<br>ARR: 22 DEC 83 GALVESTON, TX<br>AREA INDEX: OPEN | OPEN | | 204 |
| OUT OF SERVICE | | | UT-IG |
| DEP: 23 DEC 83 GALVESTON, TX<br>ARR: 31 DEC 83 GALVESTON, TX<br>AREA INDEX: NA9 | MAINTENANCE & LEAVE | | 8 |

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## FRED H MOORE

### POINT OF CONTACT INFORMATION

| | |
|---|---|
| POC: | WILLIAM H MITCHELL |
| POC OFFICE: | MARINE OPERATIONS SUPERINTENDENT |
| POC ORGANIZATION: | INSTITUTE FOR GEOPHYSICS, UNIV OF TX |
| POC ADDRESS: | 700 THE STRAND |
| POC CITY/STATE: | GALVESTON TX 77550 |
| FTS PREFIX: | 713 |
| COMMERCIAL AREA CODE: | 713 |
| PHONE: | 765-2276 |

### ADMINISTRATIVE DETAILS

| | |
|---|---|
| COMMON SHIP NAME: | MOORE |
| DESIGNATOR: | RV |
| CLASS: | SEISMIC SHIP |
| CALL SIGN (INTERNATIONAL): | - |
| FLEET: | UNOLS |
| SHIP TYPE: | MARINE GEOPHYSICS RESEARCH |
| SHIP OWNER: | UNIV. OF TEXAS |
| CERTIFICATION AUTHORITY: | AMERICAN BUREAU OF SHIPPING |
| FLAG REGISTRY: | USA |
| HOME PORT: | GALVESTON TX USA |
| TECHNICAL SPONSOR: | U. OF TX. INST. FOR GEOPHYSICS |
| OPERATIONS CONTROL: | U. OF TX. INST. FOR GEOPHYSICS |
| CONTRACTUAL INFORMATION: | NONE |
| OPERATING COST/DAY: | 7.2/81 THOUSAND $'S |
| SCIENTIFIC COMPLEMENT: | 20 |
| NUMBER OFFICERS: | - |
| NUMBER IN CREW: | 9 |
| MAX SEA STATE: | 4 BEAUFORT SCALE |
| ENDURANCE: | 26 DAY(S) |
| LIMITING FACTOR: | REFRIGERATED STORES |
| BUILDER: | BURTON SHIP BUILDING |
| WHERE BUILT: | PORT ARTHUR TX USA |
| INITIAL COST: | - |
| DUE DATE: | - |
| KEEL DATE: | - |
| LAUNCH DATE: | - |
| DELIVERY DATE: | - |
| COMMISSION DATE: | - |
| CONVERSION DATE: | - |
| LAST OVERHAUL: | - |
| MAINTENANCE CYCLE: | - YEARS |
| END OF LIFE: | 1987 |
| UPDATE OF INFORMATION: | 15 NOV 82 |

### SHIP DIMENSIONS

| | |
|---|---|
| LENGTH: | 165.0 FEET |
| MAX BEAM: | 38.0 FEET |
| HEIGHT: | - FEET |
| GROSS TONNAGE: | 297 |
| DISPLACEMENT: | - TONS |
| DRAUGHT: | 11.4 FEET |
| CRUISE SPEED: | 10.0 KNOTS |
| RANGE: | 6000 NAUTICAL MILES |
| MAX SPEED: | 11.5 KNOTS |
| MIN SPEED: | 3.9 KNOTS |

ENGINEERING/DECK EQUIPMENT

| | |
|---|---|
| MAIN PROPULSION: | DIESEL GEARED |
| AUXILIARY PROPULSION: | - |
| NUMBER OF SHAFTS: | 2 |
| FUEL TYPE: | 2 DIESEL |
| BOW THRUSTER: | NO |
| ACTIVE RUDDER: | Y |
| DYNAMIC POSITIONING: | N |
| ANTI-ROLL: | Y |
| STABILIZER: | N |
| DEEP ANCHOR: | NO FEET |
| BERTHING VAN DIMENSIONS: | - |
| INSTRUMENT VAN DIMENSIONS: | - |
| WET-LAB: | - |
| DRY-LAB: | Y |
| AMMUNITION STORAGE: | Y |
| HELO SUPPORT: | N |
| METEOROLOGICAL OBSERVATIONS: | N |
| UTILITY BOATS: | |
| 1. 12 FOOT SKIFF | |
| A, U, OR L FRAMES | |
| MAX HOIST CAPACITY: | POUNDS |
| NUMBER OF FRAMES: | 0 |
| CRANES OR BOOMS | |
| MAX HOIST CAPACITY: | 3800 POUNDS |
| NUMBER OF CRANES: | 1 |
| WINCHES: | - |

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ELECTRONIC EQUIPMENT

| | |
|---|---|
| COMPUTERS: | TI 980A |
| FACSIMILE: | Y |
| ELECTROMAGNETIC LOG: | - |
| INERTIAL NAVIGATION: | N |
| RADAR (SURFACE SCAN): | Y |
| LORAN A: | N |
| LORAN C: | Y |
| OMEGA: | Y |
| SATELLITE NAVIGATION: | Y |
| RADIO TELETYPE COMMUNICATION: | - |
| SINGLE SIDE BAND: | Y |
| VHF COMMUNICATIONS: | Y |
| STABLE TABLE: | N |
| NARROW BEAM: | - |
| SEISMIC PROFILING: | Y |
| SIDE SCAN: | N |
| SOUNDING SYSTEM (SHALLOW): | BENMAR |
| SOUNDING SYSTEM (DEEP): | RAYTHEON |

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FRED H MOORE LAST CHANGED 06 DEC 82

OPS SCHEDULE FOR PERIOD
01 JAN 83 THRU 31 DEC 83

OUT OF SERVICE UT-IG

DEP: 22 DEC 82 GALVESTON, TX MAINTENANCE & LEAVE
ARR: 03 JAN 83 GALVESTON, TX 13
AREA INDEX: NA9

OCEANOGRAPHIC RESEARCH BEHRENS UT-IG

DEP: 04 JAN 83 GALVESTON, TX FM-17 UNIV. OF TEXAS/AUSTIN
ARR: 08 JAN 83 GALVESTON, TX STUDENT CRUISE (F) 4
AREA INDEX: NA9

OPEN UT-IG

DEP: 10 JAN 83 GALVESTON, TX OPEN
ARR: 14 JAN 83 GALVESTON, TX 4
AREA INDEX: OPEN

OCEANOGRAPHIC RESEARCH GLOVER UT-IG

DEP: 15 JAN 83 GALVESTON, TX FM-18 GULF PROJECT (NF)
ARR: 06 FEB 83 GALVESTON, TX 22
AREA INDEX: NA9

OPEN UT-IG

DEP: 07 FEB 83 GALVESTON, TX OPEN
ARR: 14 FEB 83 GALVESTON, TX 7
AREA INDEX: OPEN

OCEANOGRAPHIC RESEARCH BUFFLER UT-IG

DEP: 15 FEB 83 GALVESTON, TX FM-19 WEST FLORIDA BANK (NF)
ARR: 16 MAR 83 GALVESTON, TX 29
AREA INDEX: NA9

OPEN UT-IG

DEP: 16 MAR 83 GALVESTON, TX OPEN
ARR: 30 APR 83 GALVESTON, TX 45
AREA INDEX: OPEN

OCEANOGRAPHIC RESEARCH BUFFLER UT-IG

DEP: 01 MAY 83 GALVESTON, TX FM-20 MISSISSIPPI FAN (NF)
ARR: 21 MAY 83 GALVESTON, TX 20
AREA INDEX: NA9

DEP: 23 MAY 83 GALVESTON, TX FM-21 UNIV. OF TEXAS/AUSTIN
ARR: 27 MAY 83 GALVESTON, TX STUDENT CRUISE (F) 4
AREA INDEX: NA9

OUT OF SERVICE UT-IG

DEP: 28 MAY 83 GALVESTON, TX MAINTENANCE, LEAVE, ETC.
ARR: 31 MAY 83 GALVESTON, TX 3
AREA INDEX: NA9

OCEANOGRAPHIC RESEARCH BUFFLER UT-IG

```
DEP: 01 JUN 83 GALVESTON, TX        FM-22 OUTER HIGH PROJECT (NF)
ARR: 30 JUN 83 GALVESTON, TX                                        29
AREA INDEX: NA9
     ..........................................
OPEN                                                    UT-IG

DEP: 01 JUL 83 GALVESTON, TX        OPEN
ARR: 14 AUG 83 GALVESTON, TX                                        44
AREA INDEX: OPEN
     ..........................................
OCEANOGRAPHIC RESEARCH            AUSTIN                UT-IG

DEP: 15 AUG 83 GALVESTON, TX        FM-23 EUCADOR-PERU PROJECT (NF)
ARR: 30 SEP 83 GALVESTON, TX                                        46
AREA INDEX: NA9   NP13  SP3A
     ..........................................
OPEN                                                    UT-IG

DEP: 01 OCT 83 GALVESTON, TX        OPEN
ARR: 22 DEC 83 GALVESTON, TX                                        82
AREA INDEX: OPEN
     ..........................................
OUT OF SERVICE                                          UT-IG

DEP: 23 DEC 83 GALVESTON, TX        MAINTENANCE, LEAVE, ETC.
ARR: 31 DEC 83 GALVESTON, TX                                         8
AREA INDEX: NA9
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## LONGHORN

### POINT OF CONTACT INFORMATION

| | |
|---|---|
| POC: | MR JOHN H THOMPSON |
| POC OFFICE: | ASSOCIATE DIRECTOR FOR ADMIN |
| POC ORGANIZATION: | MARINE SCIENCE LABORATORY |
| POC ADDRESS: | UNIV. OF TEXAS |
| POC CITY/STATE: | PORT ARANSAS TX 78373 |
| COMMERCIAL AREA CODE: | 512 |
| PHONE: | 749-6760 |

### ADMINISTRATIVE DETAILS

| | |
|---|---|
| DESIGNATOR: | RV |
| CLASS: | TRAWLER |
| CALL SIGN (INTERNATIONAL): | - |
| FLEET: | UNOLS |
| SHIP TYPE: | OCEAN RESEARCH-GENERAL |
| SHIP OWNER: | UNIV. OF TEXAS |
| CERTIFICATION AUTHORITY: | TEXAS PARKS & WILDLIFE |
| FLAG REGISTRY: | USA |
| HOME PORT: | PORT ARANSAS TX |
| TECHNICAL SPONSOR: | U UNIV. OF TEXAS |
| OPERATIONS CONTROL: | U.TEX.-PORT ARANSAS MARINE LAB |
| CONTRACTUAL INFORMATION: | NONE |
| OPERATING COST/DAY: | 1.5/81 THOUSAND $'S |
| SCIENTIFIC COMPLEMENT: | 10 |
| NUMBER OFFICERS: | 2 |
| NUMBER IN CREW: | 3 |
| MAX SEA STATE: | 3 BEAUFORT SCALE |
| ENDURANCE: | 18 DAY(S) |
| LIMITING FACTOR: | WATER-REFRIG. STORES |
| BUILDER: | ALLIED SHIPYARD |
| WHERE BUILT: | LAROSE, LA USA |
| INITIAL COST: | - |
| DUE DATE: | - |
| KEEL DATE: | - |
| LAUNCH DATE: | '71 |
| DELIVERY DATE: | '71 |
| COMMISSION DATE: | '71 |
| CONVERSION DATE: | - |
| LAST OVERHAUL: | '80 |
| MAINTENANCE CYCLE: | 1.6 YEARS |
| END OF LIFE: | 1990 |
| UPDATE OF INFORMATION: | 16 DEC 82 |

### SHIP DIMENSIONS

| | |
|---|---|
| LENGTH: | 80.0 FEET |
| MAX BEAM: | 24.2 FEET |
| HEIGHT: | - FEET |
| GROSS TONNAGE: | 146 |
| DISPLACEMENT: | 200 TONS |
| DRAUGHT: | 7.3 FEET |
| CRUISE SPEED: | 9.0 KNOTS |
| RANGE: | 2000 NAUTICAL MILES |
| MAX SPEED: | 9.5 KNOTS |
| MIN SPEED: | 1.5 KNOTS |

ENGINEERING/DECK EQUIPMENT

```
MAIN PROPULSION:                DIESEL GEARED
AUXILIARY PROPULSION:           NO
NUMBER OF SHAFTS:               2
FUEL TYPE:                      2 DIESEL/1 DIESEL
BOW THRUSTER:                   HYDRAULIC, TUNNEL
ACTIVE RUDDER:                  N
DYNAMIC POSITIONING:            N
ANTI-ROLL:                      N
STABILIZER:                     N
DEEP ANCHOR:                    NONE  FEET
BERTHING VAN DIMENSIONS:        20X8X8
INSTRUMENT VAN DIMENSIONS:      20X8X8
WET-LAB:                        Y
DRY-LAB:                        Y
AMMUNITION STORAGE:             N
HELO SUPPORT:                   N
METEOROLOGICAL OBSERVATIONS:    NO
UTILITY BOATS:
    1. 16 FOOT RUBBER INFLATABLE
    2. 12 FOOT RUBBER INFLATABLE
A, U, OR L FRAMES
  MAX HOIST CAPACITY:            2000 POUNDS
  NUMBER OF FRAMES:             1
CRANES OR BOOMS
  MAX HOIST CAPACITY:            8000 POUNDS
  NUMBER OF CRANES:             1
WINCHES:
    01. MAJOR TYPE/USE:         TRAWL
        SECONDARY TYPE/USE:     UNKNOWN
        SLIP-RINGS:             N
        TYPE WIRE:              WIRE ROPE
        WIRE LENGTH:             4000 FEET
        WIRE DIAMETER:          0.500 INCHES
    02. MAJOR TYPE/USE:         HYDROGRAPHIC
        SECONDARY TYPE/USE:     UTILITY
        SLIP-RINGS:             N
        TYPE WIRE:              WIRE ROPE
        WIRE LENGTH:             1500 FEET
        WIRE DIAMETER:          0.250 INCHES
    03. MAJOR TYPE/USE:         HYDROGRAPHIC
        SECONDARY TYPE/USE:     UTILITY
        SLIP-RINGS:             N
        TYPE WIRE:              WIRE ROPE
        WIRE LENGTH:             1500 FEET
        WIRE DIAMETER:          0.250 INCHES
    04. MAJOR TYPE/USE:         CORING
        SECONDARY TYPE/USE:     UTILITY
        SLIP-RINGS:             N
        TYPE WIRE:              WIRE ROPE
        WIRE LENGTH:             3000 FEET
        WIRE DIAMETER:          0.250 INCHES
    05. MAJOR TYPE/USE:         HYDROGRAPHIC
        SECONDARY TYPE/USE:     UNKNOWN
        SLIP-RINGS:             1
        TYPE WIRE:              CONDUCTOR CABLE
        WIRE LENGTH:            10000 FEET
        WIRE DIAMETER:          0.218 INCHES
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ELECTRONIC EQUIPMENT

```
COMPUTERS:                      PLESSEY 9040(STD)
FACSIMILE:                      N
ELECTROMAGNETIC LOG:            N
INERTIAL NAVIGATION:            N
RADAR (SURFACE SCAN):           Y
LORAN A:                        Y
LORAN C:                        Y
OMEGA:                          N
```

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SATELLITE NAVIGATION:                N
RADIO TELETYPE COMMUNICATION:        N
SINGLE SIDE BAND:                    Y
VHF COMMUNICATIONS:                  Y
STABLE TABLE:                        N
NARROW BEAM:                         N
SEISMIC PROFILING:                   N
SIDE SCAN:                           N
SOUNDING SYSTEM (SHALLOW):           MORROW
SOUNDING SYSTEM (DEEP):              FURUNO
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LONGHORN LAST CHANGED 15 NOV 82

OPS SCHEDULE FOR PERIOD
01 JAN 83 THRU 31 DEC 83

OCEANOGRAPHIC RESEARCH UNIV OF TEXAS

DEP: 01 JAN 83 PORT ARANSAS, TX SHORT CRUISES IN GULF OF MEXICO OFF
ARR: 31 DEC 83 PORT ARANSAS, TX ARANSAS. CALL POC FOR DETAILS 365
AREA INDEX: NA9

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## THOMAS G THOMPSON

### POINT OF CONTACT INFORMATION

| | |
|---|---|
| POC: | CAPT R E WILLIAMS |
| POC OFFICE: | PORT CAPTAIN/ENGINEER |
| POC ORGANIZATION: | DEPARTMENT OF OCEANOGRAPHY |
| POC ADDRESS: | UNIV. OF WASHINGTON |
| POC CITY/STATE: | SEATTLE WA 98195 |
| FTS PREFIX: | 206 |
| COMMERCIAL AREA CODE: | 206 |
| PHONE: | 543-5648 |

### ADMINISTRATIVE DETAILS

| | |
|---|---|
| COMMON SHIP NAME: | THOMPSON |
| DESIGNATOR: | AGOR 9 |
| CLASS: | ROBERT D CONRAD/AGOR 3 |
| CALL SIGN (INTERNATIONAL): | KGWT |
| FLEET: | UNOLS |
| SHIP TYPE: | OCEAN RESEARCH-GENERAL |
| SHIP OWNER: | USN |
| CERTIFICATION AUTHORITY: | USCG INSPECTED/ABS CLASSED |
| FLAG REGISTRY: | NONE |
| HOME PORT: | SEATTLE WA |
| TECHNICAL SPONSOR: | U UNIV. OF WASHINGTON |
| OPERATIONS CONTROL: | UNIV. OF WASHINGTON |
| CONTRACTUAL INFORMATION: | ONR CODE 611 LEASE TO EXPIRE 20 SEP 80 CON N00014-77-L-0009 |
| OPERATING COST/DAY: | 5.37/80 THOUSAND $'S |
| SCIENTIFIC COMPLEMENT: | 19 |
| NUMBER OFFICERS: | 9 |
| NUMBER IN CREW: | 13 |
| MAX SEA STATE: | 5 BEAUFORT SCALE |
| ENDURANCE: | 40 DAY(S) |
| LIMITING FACTOR: | FUEL |
| BUILDER: | MARINETTE MARINE CORPORATION |
| WHERE BUILT: | MARINETTE WI USA |
| INITIAL COST: | 3.0/65 MILLION $'S IN YEAR |
| DUE DATE: | - |
| KEEL DATE: | 12 SEP 63 |
| LAUNCH DATE: | 18 JUL 64 |
| DELIVERY DATE: | 04 SEP 65 |
| COMMISSION DATE: | - |
| CONVERSION DATE: | - |
| LAST OVERHAUL: | 07 FEB 80 |
| MAINTENANCE CYCLE: | 2.0 YEARS |
| END OF LIFE: | 1994 |
| UPDATE OF INFORMATION: | 16 DEC 82 |

### SHIP DIMENSIONS

| | |
|---|---|
| LENGTH: | 208.8 FEET |
| MAX BEAM: | 39.4 FEET |
| HEIGHT: | 87.0 FEET |
| GROSS TONNAGE: | 1151 |
| DISPLACEMENT: | 1401 TONS |
| DRAUGHT: | 15.0 FEET |
| CRUISE SPEED: | 9.5 KNOTS |
| RANGE: | 8500 NAUTICAL MILES |
| MAX SPEED: | 11.5 KNOTS |
| MIN SPEED: | 0.5 KNOTS |

## ENGINEERING/DECK EQUIPMENT

| | |
|---|---|
| MAIN PROPULSION: | DIESEL ELECTRIC |
| AUXILIARY PROPULSION: | GAS TURBINE |
| NUMBER OF SHAFTS: | 1 |
| FUEL TYPE: | 2 DIESEL/1 DIESEL/JP5+#2D |
| BOW THRUSTER: | TRAINABLE/RETRACTABLE |
| ACTIVE RUDDER: | N |
| DYNAMIC POSITIONING: | N |
| ANTI-ROLL: | N |
| STABILIZER: | N |
| DEEP ANCHOR: | NONE FEET |
| BERTHING VAN DIMENSIONS: | NONE |
| INSTRUMENT VAN DIMENSIONS: | 8X8X20 |
| WET-LAB: | Y |
| DRY-LAB: | Y |
| AMMUNITION STORAGE: | Y |
| HELO SUPPORT: | N |
| METEOROLOGICAL OBSERVATIONS: | N |

UTILITY BOATS:

1. 16 FOOT BOSTON WHALER

A, U, OR L FRAMES

| | |
|---|---|
| MAX HOIST CAPACITY: | 6000 POUNDS |
| NUMBER OF FRAMES: | 1 |

CRANES OR BOOMS

| | |
|---|---|
| MAX HOIST CAPACITY: | 10000 POUNDS |
| NUMBER OF CRANES: | 1 |

WINCHES:

| | |
|---|---|
| 01. MAJOR TYPE/USE: | HYDROGRAPHIC |
| SECONDARY TYPE/USE: | UNKNOWN |
| SLIP-RINGS: | N |
| TYPE WIRE: | WIRE ROPE |
| WIRE LENGTH: | 30000 FEET |
| WIRE DIAMETER: | 0.187 INCHES |
| 02. MAJOR TYPE/USE: | STD |
| SECONDARY TYPE/USE: | UNKNOWN |
| SLIP-RINGS: | 9 |
| TYPE WIRE: | CONDUCTOR CABLE |
| WIRE LENGTH: | 20000 FEET |
| WIRE DIAMETER: | 0.220 INCHES |
| 03. MAJOR TYPE/USE: | CORING |
| SECONDARY TYPE/USE: | TRAWL |
| SLIP-RINGS: | 9 |
| TYPE WIRE: | WIRE ROPE |
| WIRE LENGTH: | 30000 FEET |
| WIRE DIAMETER: | 0.500 INCHES |
| SECONDARY WIRE LEN: | 15000 FEET |
| SECONDARY WIRE DIAM: | 0.464 INCHES |

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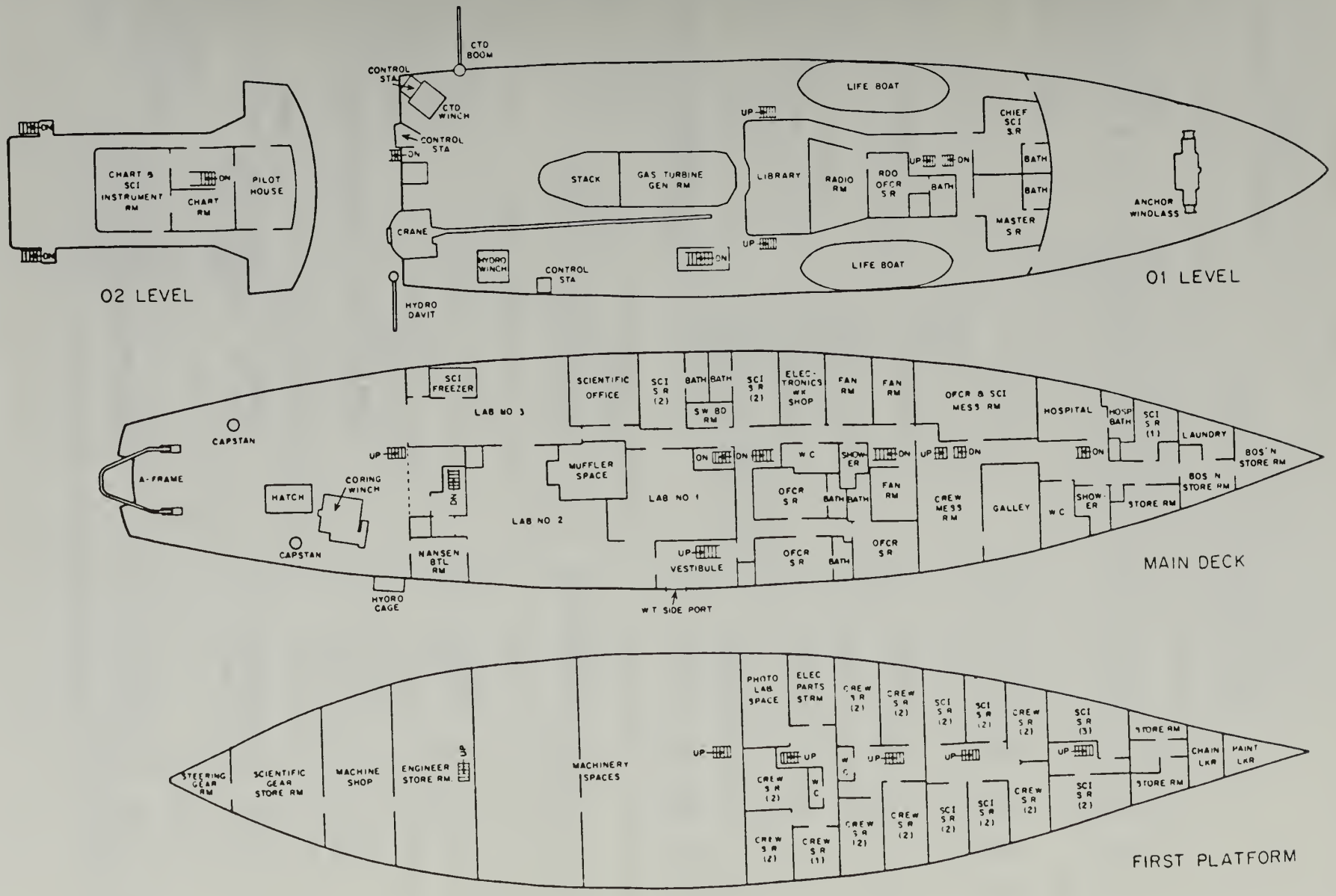
## ELECTRONIC EQUIPMENT

| | |
|---|---|
| COMPUTERS: | NONE |
| FACSIMILE: | Y |
| ELECTROMAGNETIC LOG: | N |
| INERTIAL NAVIGATION: | N |
| RADAR (SURFACE SCAN): | Y |
| LORAN A: | N |
| LORAN C: | Y |
| OMEGA: | N |
| SATELLITE NAVIGATION: | Y |
| RADIO TELETYPE COMMUNICATION: | N |
| SINGLE SIDE BAND: | Y |
| VHF COMMUNICATIONS: | Y |
| STABLE TABLE: | N |
| NARROW BEAM: | N |
| SEISMIC PROFILING: | Y |
| SIDE SCAN: | N |
| SOUNDING SYSTEM (SHALLOW): | ROSS,RAYTHEON |
| SOUNDING SYSTEM (DEEP): | RAYTH.,GIFFT |

W
THOMAS G THOMPSON

# R/V THOMAS G THOMPSON



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THOMAS G THOMPSON LAST CHANGED 10 NOV 82

OPS SCHEDULE FOR PERIOD
01 JAN 83 THRU 31 DEC 83

| | | | |
|---|---|---|---|
| OUT OF SERVICE | | UNIV OF WASH | |
| DEP: 01 JAN 83 SEATTLE, WA<br>ARR: 30 APR 83 SEATTLE, WA<br>AREA INDEX: NP9 | YARD PERIOD FOR MAJOR REFIT | | 119 |
| OPEN | | UNIV OF WASH | |
| DEP: 01 MAY 83 SEATTLE, WA<br>ARR: 30 MAY 83 SEATTLE, WA<br>AREA INDEX: OPEN | OPEN | | 29 |
| OCEANOGRAPHIC RESEARCH | C LORENZEN | UNIV OF WASH | |
| DEP: 31 MAY 83 SEATTLE, WA<br>ARR: 21 JUN 83 SEATTLE, WA<br>AREA INDEX: NP9 | ORGANIC MATTER IN THE DEEP SEA STAT | | 21 |
| OCEANOGRAPHIC RESEARCH | P NIILER | OSU | |
| DEP: 24 JUN 83 SEATTLE, WA<br>ARR: 29 JUL 83 NEWPORT, OR<br>AREA INDEX: NP9 | CIRCULATION OF N.E. PACIFIC<br>30/40N ALONG 150W | | 35 |
| OCEANOGRAPHIC RESEARCH | G ANDERSON ET AL | DOE | |
| DEP: 01 AUG 83 NEWPORT, OR<br>ARR: 10 AUG 83 SEATTLE, WA<br>AREA INDEX: NP9 | MECHANISMS OF TRANSFER OF ENERGY-DO<br>WASHINGTON/OREGON COAST | | 9 |
| OCEANOGRAPHIC RESEARCH | P JOHNSON/J DELANEY | UNIV OF WASH | |
| DEP: 19 AUG 83 SEATTLE, WA<br>ARR: 20 SEP 83 SEATTLE, WA<br>AREA INDEX: NP9 | HOT SPOT RIDGE CREST STUDY<br>JUAN DE FUCA RIDGE | | 32 |
| OCEANOGRAPHIC RESEARCH | KNOX/MONK/WORCESTER | SIO | |
| DEP: 28 SEP 83 SEATTLE, WA<br>ARR: 11 OCT 83 HONOLULU, HI<br>AREA INDEX: NP9 NP12 | ACOUSTIC TECHNIQUES, MOORING DEPLOY<br>N.E. OF HAWAII | | 13 |
| OCEANOGRAPHIC RESEARCH | SCHMITZ/JOYCE/TAFT | WHOI/UW | |
| DEP: 14 OCT 83 HONOLULU, HI<br>ARR: 07 DEC 83 HONOLULU, HI<br>AREA INDEX: NP12 NP11 | ZONAL EXPLORATION OF MID N.PACIFIC<br>30N-165E/175W MIDWAY PORT CALL | | 54 |
| OCEANOGRAPHIC RESEARCH | KNOX/MONK/WORCESTER | SIO | |
| DEP: 10 DEC 83 HONOLULU, HI<br>ARR: 23 DEC 83 SEATTLE, WA<br>AREA INDEX: NP12 NP9 | ACOUSTIC TECHNIQUES, MOORING DEPLOY<br>N.E. OF HAWAII | | 13 |
| OUT OF SERVICE | | UNIV OF WASH | |
| DEP: 24 DEC 83 SEATTLE, WA<br>ARR: 31 DEC 83 SEATTLE, WA<br>AREA INDEX: NP9 | HOME PORT FOR HOLIDAYS | | 7 |

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POINT OF CONTACT INFORMATION

| | |
|---|---|
| POC: | CAPT R E WILLIAMS |
| POC OFFICE: | PORT CAPTAIN/ENGINEER |
| POC ORGANIZATION: | DEPARTMENT OF OCEANOGRAPHY |
| POC ADDRESS: | UNIV. OF WASHINGTON |
| POC CITY/STATE: | SEATTLE WA 98195 |
| FTS PREFIX: | 206 |
| COMMERCIAL AREA CODE: | 206 |
| PHONE: | 543-5648 |

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ADMINISTRATIVE DETAILS

| | |
|---|---|
| DESIGNATOR: | RV |
| CLASS: | ARMY T BOAT |
| CALL SIGN (INTERNATIONAL): | - |
| FLEET: | UNOLS |
| SHIP TYPE: | OCEAN RESEARCH-GENERAL |
| SHIP OWNER: | USN |
| CERTIFICATION AUTHORITY: | NONE |
| FLAG REGISTRY: | NOT IN REGISTRY |
| HOME PORT: | SEATTLE WA |
| TECHNICAL SPONSOR: | U UNIV. OF WASHINGTON |
| OPERATIONS CONTROL: | UNIV. OF WASHINGTON |
| CONTRACTUAL INFORMATION: | ONR CODE 611 LEASE TO EXPIRE UNKNOWN CON # N0014-69-C-0462 |
| OPERATING COST/DAY: | 1.05/80 THOUSAND $'S |
| SCIENTIFIC COMPLEMENT: | 6 |
| NUMBER OFFICERS: | 0 |
| NUMBER IN CREW: | 2 |
| MAX SEA STATE: | 4 BEAUFORT SCALE |
| ENDURANCE: | 5 DAY(S) |
| LIMITING FACTOR: | WATER |
| BUILDER: | NATIONAL STEEL & SHIPBUILDING CORP. |
| WHERE BUILT: | SAN DIEGO CA USA |
| INITIAL COST: | - |
| DUE DATE: | - |
| KEEL DATE: | - |
| LAUNCH DATE: | - |
| DELIVERY DATE: | '54 |
| COMMISSION DATE: | - |
| CONVERSION DATE: | '63 |
| LAST OVERHAUL: | '78 |
| MAINTENANCE CYCLE: | 4.0 YEARS |
| END OF LIFE: | 1977 |
| UPDATE OF INFORMATION: | 16 DEC 82 |

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SHIP DIMENSIONS

| | |
|---|---|
| LENGTH: | 65.0 FEET |
| MAX BEAM: | 18.0 FEET |
| HEIGHT: | 40.0 FEET |
| GROSS TONNAGE: | 74 |
| DISPLACEMENT: | 95 TONS |
| DRAUGHT: | 9.0 FEET |
| CRUISE SPEED: | 8.5 KNOTS |
| RANGE: | 750 NAUTICAL MILES |
| MAX SPEED: | 10.0 KNOTS |
| MIN SPEED: | 4.0 KNOTS |

## ENGINEERING/DECK EQUIPMENT

| | |
|---|---|
| MAIN PROPULSION: | DIESEL GEARED |
| AUXILIARY PROPULSION: | NO |
| NUMBER OF SHAFTS: | 1 |
| FUEL TYPE: | 2 DIESEL |
| BOW THRUSTER: | NO |
| ACTIVE RUDDER: | N |
| DYNAMIC POSITIONING: | N |
| ANTI-ROLL: | N |
| STABILIZER: | N |
| DEEP ANCHOR: | NONE FEET |
| BERTHING VAN DIMENSIONS: | NONE |
| INSTRUMENT VAN DIMENSIONS: | NONE |
| WET-LAB: | N |
| DRY-LAB: | Y |
| AMMUNITION STORAGE: | N |
| HELO SUPPORT: | N |
| METEOROLOGICAL OBSERVATIONS: | NONE |

UTILITY BOATS:

1. 12 FOOT SKIFF

A, U, OR L FRAMES

| | |
|---|---|
| MAX HOIST CAPACITY: | POUNDS |
| NUMBER OF FRAMES: | 0 |

CRANES OR BOOMS

| | |
|---|---|
| MAX HOIST CAPACITY: | 2000 POUNDS |
| NUMBER OF CRANES: | 1 |

WINCHES:

| | |
|---|---|
| 01. MAJOR TYPE/USE: | HYDROGRAPHIC |
| SECONDARY TYPE/USE: | UNKNOWN |
| SLIP-RINGS: | N |
| TYPE WIRE: | WIRE ROPE |
| WIRE LENGTH: | 4000 FEET |
| WIRE DIAMETER: | 0.156 INCHES |
| 02. MAJOR TYPE/USE: | ANCHOR |
| SECONDARY TYPE/USE: | UNKNOWN |
| SLIP-RINGS: | N |
| TYPE WIRE: | WIRE ROPE |
| WIRE LENGTH: | 1500 FEET |
| WIRE DIAMETER: | 0.500 INCHES |
| 03. MAJOR TYPE/USE: | UTILITY |
| SECONDARY TYPE/USE: | UNKNOWN |
| SLIP-RINGS: | N |
| TYPE WIRE: | WIRE ROPE |
| WIRE LENGTH: | 1000 FEET |
| WIRE DIAMETER: | 0.500 INCHES |
| 04. MAJOR TYPE/USE: | UTILITY |
| SECONDARY TYPE/USE: | UNKNOWN |
| SLIP-RINGS: | N |
| TYPE WIRE: | WIRE ROPE |
| WIRE LENGTH: | 3000 FEET |
| WIRE DIAMETER: | 0.375 INCHES |
| 05. MAJOR TYPE/USE: | UTILITY |
| SECONDARY TYPE/USE: | UNKNOWN |
| SLIP-RINGS: | N |
| TYPE WIRE: | WIRE ROPE |
| WIRE LENGTH: | 1000 FEET |
| WIRE DIAMETER: | 0.500 INCHES |

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## ELECTRONIC EQUIPMENT

| | |
|---|---|
| COMPUTERS: | NONE |
| FACSIMILE: | N |
| ELECTROMAGNETIC LOG: | N |
| INERTIAL NAVIGATION: | N |
| RADAR (SURFACE SCAN): | Y |
| LORAN A: | N |
| LORAN C: | N |
| OMEGA: | N |
| SATELLITE NAVIGATION: | N |

```
  RADIO TELETYPE COMMUNICATION:   N
  SINGLE SIDE BAND:               Y
  VHF COMMUNICATIONS:             Y
  STABLE TABLE:                   N
  NARROW BEAM:                    N
  SEISMIC PROFILING:              N
  SIDE SCAN:                      N
  SOUNDING SYSTEM (SHALLOW):      ROSS
  SOUNDING SYSTEM (DEEP):         SIMRAD

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                  ONAR                          LAST CHANGED 14 DEC 82

                 OPS SCHEDULE FOR PERIOD
                 01 JAN 83 THRU 31 DEC 83

      ..........................................
OCEANOGRAPHIC RESEARCH                                  UNIV OF WASHIN

DEP: 01 JAN 83 SEATTLE, WA          NUMEROUS SHORT TRIPS WITHIN PUGET S
ARR: 31 DEC 83 SEATTLE, WA          CALL POC FOR DETAILS              365
AREA INDEX: NPS
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## HOH

### POINT OF CONTACT INFORMATION

| | |
|---|---|
| POC: | CAPT R E WILLIAMS |
| POC OFFICE: | PORT CAPTAIN/ENGINEER |
| POC ORGANIZATION: | DEPARTMENT OF OCEANOGRAPHY |
| POC ADDRESS: | UNIV. OF WASHINGTON |
| POC CITY/STATE: | SEATTLE WA 98195 |
| FTS PREFIX: | 206 |
| COMMERCIAL AREA CODE: | 206 |
| PHONE: | 543-5648 |

### ADMINISTRATIVE DETAILS

| | |
|---|---|
| DESIGNATOR: | RV |
| CLASS: | WOODEN HULL UTILITY VESSEL |
| CALL SIGN (INTERNATIONAL): | - |
| FLEET: | UNOLS |
| SHIP TYPE: | OCEAN RESEARCH-GENERAL |
| SHIP OWNER: | USN |
| CERTIFICATION AUTHORITY: | NONE |
| FLAG REGISTRY: | NOT IN REGISTRY |
| HOME PORT: | SEATTLE WA |
| TECHNICAL SPONSOR: | U UNIV. OF WASHINGTON |
| OPERATIONS CONTROL: | UNIV. OF WASHINGTON |
| CONTRACTUAL INFORMATION: | ONR CODE 611 LEASE TO EXPIRE UNKNOWN CON # 0014-69-C-0462 |
| OPERATING COST/DAY: | 1.05/80 THOUSAND $'S |
| SCIENTIFIC COMPLEMENT: | 6 |
| NUMBER OFFICERS: | 0 |
| NUMBER IN CREW: | 2 |
| MAX SEA STATE: | 2 BEAUFORT SCALE |
| ENDURANCE: | 10 DAY(S) |
| LIMITING FACTOR: | WATER |
| BUILDER: | FEDERAL PRISON INDUSTRIES INC. |
| WHERE BUILT: | MCNEIL ISLAND WA USA |
| INITIAL COST: | - |
| DUE DATE: | - |
| KEEL DATE: | - |
| LAUNCH DATE: | - |
| DELIVERY DATE: | '43 |
| COMMISSION DATE: | - |
| CONVERSION DATE: | '62 |
| LAST OVERHAUL: | '74 |
| MAINTENANCE CYCLE: | - YEARS |
| END OF LIFE: | 1966 |
| UPDATE OF INFORMATION: | 16 DEC 82 |

### SHIP DIMENSIONS

| | |
|---|---|
| LENGTH: | 65.0 FEET |
| MAX BEAM: | 14.0 FEET |
| HEIGHT: | 34.0 FEET |
| GROSS TONNAGE: | 31 |
| DISPLACEMENT: | 81 TONS |
| DRAUGHT: | 8.0 FEET |
| CRUISE SPEED: | 8.0 KNOTS |
| RANGE: | 800 NAUTICAL MILES |
| MAX SPEED: | 8.5 KNOTS |
| MIN SPEED: | 1.5 KNOTS |

ENGINEERING/DECK EQUIPMENT

| | |
|---|---|
| MAIN PROPULSION: | DIESEL GEARED |
| AUXILIARY PROPULSION: | NO |
| NUMBER OF SHAFTS: | 1 |
| FUEL TYPE: | 2 DIESEL |
| BOW THRUSTER: | NO |
| ACTIVE RUDDER: | N |
| DYNAMIC POSITIONING: | N |
| ANTI-ROLL: | N |
| STABILIZER: | N |
| DEEP ANCHOR: | NONE FEET |
| BERTHING VAN DIMENSIONS: | NONE |
| INSTRUMENT VAN DIMENSIONS: | NONE |
| WET-LAB: | N |
| DRY-LAB: | Y |
| AMMUNITION STORAGE: | N |
| HELO SUPPORT: | N |
| METEOROLOGICAL OBSERVATIONS: | NONE |
| UTILITY BOATS: | |
| 1. 12 FOOT SKIFF | |
| A, U, OR L FRAMES | |
| MAX HOIST CAPACITY: | 250 POUNDS |
| NUMBER OF FRAMES: | 2 |
| CRANES OR BOOMS | |
| MAX HOIST CAPACITY: | 2000 POUNDS |
| NUMBER OF CRANES: | 1 |
| WINCHES: | |
| 01. MAJOR TYPE/USE: | TRAWL |
| SECONDARY TYPE/USE: | UTILITY |
| SLIP-RINGS: | 9 |
| TYPE WIRE: | CONDUCTOR CABLE |
| WIRE LENGTH: | 2000 FEET |
| WIRE DIAMETER: | 0.292 INCHES |
| 02. MAJOR TYPE/USE: | HYDROGRAPHIC |
| SECONDARY TYPE/USE: | UNKNOWN |
| SLIP-RINGS: | N |
| TYPE WIRE: | WIRE ROPE |
| WIRE LENGTH: | 3000 FEET |
| WIRE DIAMETER: | 0.156 INCHES |
| 03. MAJOR TYPE/USE: | ANCHOR |
| SECONDARY TYPE/USE: | UNKNOWN |
| SLIP-RINGS: | N |
| TYPE WIRE: | WIRE ROPE |
| WIRE LENGTH: | 1000 FEET |
| WIRE DIAMETER: | 0.500 INCHES |

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ELECTRONIC EQUIPMENT

| | |
|---|---|
| COMPUTERS: | NONE |
| FACSIMILE: | N |
| ELECTROMAGNETIC LOG: | N |
| INERTIAL NAVIGATION: | N |
| RADAR (SURFACE SCAN): | Y |
| LORAN A: | N |
| LORAN C: | N |
| OMEGA: | N |
| SATELLITE NAVIGATION: | N |
| RADIO TELETYPE COMMUNICATION: | N |
| SINGLE SIDE BAND: | N |
| VHF COMMUNICATIONS: | Y |
| STABLE TABLE: | N |
| NARROW BEAM: | N |
| SEISMIC PROFILING: | N |
| SIDE SCAN: | N |
| SOUNDING SYSTEM (SHALLOW): | RAYTHEON/ROSS |
| SOUNDING SYSTEM (DEEP): | SIMRAD |

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HOH LAST CHANGED 14 DEC 82

OPS SCHEDULE FOR PERIOD
01 JAN 83 THRU 31 DEC 83

OCEANOGRAPHIC RESEARCH UNIV OF WASHIN

DEP: 01 JAN 83 SEATTLE, WA NUMEROUS SHORT TRIPS WITHIN PUGET S
ARR: 31 DEC 83 SEATTLE, WA CALL POC FOR DETAILS 365
AREA INDEX: NP9

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## ATLANTIS II

### POINT OF CONTACT INFORMATION

| | |
|---|---|
| POC: | MR J D DONNELLY |
| POC OFFICE: | MANAGER |
| POC ORGANIZATION: | MARINE OPERATIONS |
| POC ADDRESS: | WOODS HOLE OCEANOGRAPHIC INST. |
| POC CITY/STATE: | WOODS HOLE MA 02543 |
| FTS PREFIX: | 617 |
| COMMERCIAL AREA CODE: | 617 |
| PHONE: | 548-1400 |

### ADMINISTRATIVE DETAILS

| | |
|---|---|
| COMMON SHIP NAME: | ATLANTIS |
| DESIGNATOR: | RV |
| CLASS: | - |
| CALL SIGN (INTERNATIONAL): | - |
| FLEET: | UNOLS |
| SHIP TYPE: | - |
| SHIP OWNER: | WOODS HOLE OCEANOGRAPHIC INST. |
| CERTIFICATION AUTHORITY: | USCG |
| FLAG REGISTRY: | USA |
| HOME PORT: | WOODS HOLE MA |
| TECHNICAL SPONSOR: | U WOODS HOLE OCEANOGRAPHIC INST. |
| OPERATIONS CONTROL: | WOODS HOLE OCEANOGRAPHIC INST. |
| CONTRACTUAL INFORMATION: | NONE |
| OPERATING COST/DAY: | 6.6/78 THOUSAND $'S |
| SCIENTIFIC COMPLEMENT: | 25 |
| NUMBER OFFICERS: | 11 |
| NUMBER IN CREW: | 20 |
| MAX SEA STATE: | - BEAUFORT SCALE |
| ENDURANCE: | 25 DAY(S) |
| LIMITING FACTOR: | - |
| BUILDER: | MARYLAND SHIPBUILDING AND DRYDOCK CO. |
| WHERE BUILT: | BALTIMORE MD USA |
| INITIAL COST: | - |
| DUE DATE: | - |
| KEEL DATE: | - |
| LAUNCH DATE: | '62 |
| DELIVERY DATE: | 31 JAN 63 |
| COMMISSION DATE: | - |
| CONVERSION DATE: | - |
| LAST OVERHAUL: | 00 MAY 75 |
| MAINTENANCE CYCLE: | 1.5 YEARS |
| END OF LIFE: | 1993 |
| UPDATE OF INFORMATION: | 16 DEC 82 |

### SHIP DIMENSIONS

| | |
|---|---|
| LENGTH: | 210.3 FEET |
| MAX BEAM: | 44.0 FEET |
| HEIGHT: | - FEET |
| GROSS TONNAGE: | 1529 |
| DISPLACEMENT: | 2300 TONS |
| DRAUGHT: | 16.0 FEET |
| CRUISE SPEED: | 10.0 KNOTS |
| RANGE: | 6000 NAUTICAL MILES |
| MAX SPEED: | 12.0 KNOTS |
| MIN SPEED: | - KNOTS |

ENGINEERING/DECK EQUIPMENT

```
MAIN PROPULSION:                    RECIPRO STEAM
AUXILIARY PROPULSION:               STEAM TURBINE
NUMBER OF SHAFTS:                   2
FUEL TYPE:                          -
BOW THRUSTER:                       TRANSVERSE DUCT
ACTIVE RUDDER:                      N
DYNAMIC POSITIONING:                N
ANTI-ROLL:                          N
STABILIZER:                         N
DEEP ANCHOR:                        25000 FEET
BERTHING VAN DIMENSIONS:            NO
INSTRUMENT VAN DIMENSIONS:          NO
WET-LAB:                            Y
DRY-LAB:                            Y
AMMUNITION STORAGE:                 Y
HELO SUPPORT:                       N
METEOROLOGICAL OBSERVATIONS:        -
UTILITY BOATS:
    1. 16 FOOT RUBBER INFLATABLE
A, U, OR L FRAMES
  MAX HOIST CAPACITY:               30000 POUNDS
  NUMBER OF FRAMES:                 2
CRANES OR BOOMS
  MAX HOIST CAPACITY:               30000 POUNDS
  NUMBER OF CRANES:                 1
WINCHES:
    01. MAJOR TYPE/USE:             TRAWL
        SECONDARY TYPE/USE:         UNKNOWN
        SLIP-RINGS:
        TYPE WIRE:                  WIRE ROPE
        WIRE LENGTH:                30000 FEET
        WIRE DIAMETER:              0.500 INCHES
    02. MAJOR TYPE/USE:             HYDROGRAPHIC
        SECONDARY TYPE/USE:         UNKNOWN
        SLIP-RINGS:
        TYPE WIRE:                  WIRE ROPE
        WIRE LENGTH:                25000 FEET
        WIRE DIAMETER:              0.    INCHES
    03. MAJOR TYPE/USE:             HYDROGRAPHIC
        SECONDARY TYPE/USE:         UNKNOWN
        SLIP-RINGS:
        TYPE WIRE:                  WIRE ROPE
        WIRE LENGTH:                25000 FEET
        WIRE DIAMETER:              0.    INCHES
    04. MAJOR TYPE/USE:             BATHYTHERMOGRAPHIC
        SECONDARY TYPE/USE:         UNKNOWN
        SLIP-RINGS:
        TYPE WIRE:                  WIRE ROPE
        WIRE LENGTH:                      FEET
        WIRE DIAMETER:              0     INCHES
    05. MAJOR TYPE/USE:             BATHYTHERMOGRAPHIC
        SECONDARY TYPE/USE:         UNKNOWN
        SLIP-RINGS:
        TYPE WIRE:                  WIRE ROPE
        WIRE LENGTH:                      FEET
        WIRE DIAMETER:              0     INCHES
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ELECTRONIC EQUIPMENT

```
COMPUTERS:                          HP 2116A
FACSIMILE:                          Y
ELECTROMAGNETIC LOG:                Y
INERTIAL NAVIGATION:                N
RADAR (SURFACE SCAN):               Y
LORAN A:                            Y
LORAN C:                            Y
OMEGA:                              N
SATELLITE NAVIGATION:               Y
```

| | |
|---|---|
| RADIO TELETYPE COMMUNICATION: | N |
| SINGLE SIDE BAND: | Y |
| VHF COMMUNICATIONS: | Y |
| STABLE TABLE: | N |
| NARROW BEAM: | N |
| SEISMIC PROFILING: | - |
| SIDE SCAN: | N |
| SOUNDING SYSTEM (SHALLOW): | RAYTHEON |
| SOUNDING SYSTEM (DEEP): | EDO,GIFFT |

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ATLANTIS II LAST CHANGED 15 DEC 82

OPS SCHEDULE FOR PERIOD
01 JAN 83 THRU 31 DEC 83

OUT OF SERVICE

DEP: 01 OCT 82 WOODS HOLE CONVERSION FOR ALVIN HANDLING AND
ARR: 31 MAY 83 WOODS HOLE DRYDOCKING TO INSTALL SEA BEAM 243
AREA INDEX: NA6

DEP: 01 JUN 83 WOODS HOLE SUBMERSIBLE SYSTEM TEST & TRAINING
ARR: 30 JUN 83 WOODS HOLE SIDE & UNDERWAY. ALVIN ABOARD 29
AREA INDEX: NA6

OUT OF SERVICE DONNELLY/TUCHOLKE NSF/ONR

DEP: 01 JUL 83 WOODS HOLE SUBMERSIBLE SYSTEM TRAINING. TEST O
ARR: 24 JUL 83 WOODS HOLE BEAM SYSTEM. USN CERTIFICATION 23
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH WISHNER/WILLIAMS NSF/KAPL

DEP: 25 JUL 83 WOODS HOLE ZOOPLANKTON TROPHODYNAMICS.RETRIEVE
ARR: 05 AUG 83 WOODS HOLE 82 CORROSION TEST.NE CON.SHELF 11
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH FLOOD/BISCAYE NSF

DEP: 12 AUG 83 WOODS HOLE STUDY ABYSSAL SEDIMENT.SET CURRENT
ARR: 24 AUG 83 WOODS HOLE MOORINGS:W.NO.ATL.,BLAKE RIDGE 12
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH

DEP: 03 SEP 83 WOODS HOLE TRANSIT TO PANAMA
ARR: 10 SEP 83 BALBOA, PANAMA 7
AREA INDEX: NA6 NA9 NP13

OCEANOGRAPHIC RESEARCH GRASSLE/HONJO ET.AL. NSF

DEP: 15 SEP 83 BALBOA, PANAMA QUANTIFY BIOTURBATION PROCESSES, FL
ARR: 04 OCT 83 BALBOA, PANAMA PARTICULATE & AGGREGATE MATTER 19
AREA INDEX: NP13

OCEANOGRAPHIC RESEARCH MALAHOFF/EMBLEY NOAA

DEP: 10 OCT 83 BALBOA, PANAMA POLYMETALLIC SULFIDES
ARR: 30 OCT 83 PUNTARENAS, CR GALAPAGOS RIDGE 20
AREA INDEX: NP13

OCEANOGRAPHIC RESEARCH BALLARD/MOTTL ET.AL. NSF

DEP: 04 NOV 83 PUNTARENAS, CR HYDROTHERMAL PROCESSES RELATING TO
ARR: 27 NOV 83 SAN DIEGO, CA VULCANISM. E PAC RISE 10N-15N 23
AREA INDEX: NP13 NP9

OCEANOGRAPHIC RESEARCH LONSDALE ONR

DEP: 03 DEC 83 SAN DIEGO, CA INVEST. FIEBERLING GUYOT-GUADELUPE
ARR: 18 DEC 83 SAN DIEGO, CA SPOT CHAIN - CALIF. SEAMOUNTS 15
AREA INDEX: NP9

OUT OF SERVICE

DEP: 21 DEC 83 SAN DIEGO, CA MAINTENANCE
ARR: 31 DEC 83 SAN DIEGO, CA 10
AREA INDEX: NP9

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# KNORR

## POINT OF CONTACT INFORMATION

| | |
|---|---|
| POC: | MR J D DONNELLY |
| POC OFFICE: | MANAGER |
| POC ORGANIZATION: | MARINE OPERATIONS |
| POC ADDRESS: | WOODS HOLE OCEANOGRAPHIC INST. |
| POC CITY/STATE: | WOODS HOLE MA 02543 |
| FTS PREFIX: | 617 |
| COMMERCIAL AREA CODE: | 617 |
| PHONE: | 548-1400 |

## ADMINISTRATIVE DETAILS

| | |
|---|---|
| DESIGNATOR: | AGOR 15 |
| CLASS: | MELVILLE/AGOR 14 |
| CALL SIGN (INTERNATIONAL): | KCFJ |
| FLEET: | UNOLS |
| SHIP TYPE: | OCEAN RESEARCH-GENERAL |
| SHIP OWNER: | USN |
| CERTIFICATION AUTHORITY: | - |
| FLAG REGISTRY: | USA |
| HOME PORT: | WOODS HOLE MA |
| TECHNICAL SPONSOR: | U WOODS HOLE OCEANOGRAPHIC INST. |
| OPERATIONS CONTROL: | WOODS HOLE OCEANOGRAPHIC INST. |
| CONTRACTUAL INFORMATION: | ONR CODE 611 LEASE TO EXPIRE 25 MAR 80 CON N00014-69-C-0241 |
| OPERATING COST/DAY: | 5.5/78 THOUSAND $'S |
| SCIENTIFIC COMPLEMENT: | 25 |
| NUMBER OFFICERS: | 0 |
| NUMBER IN CREW: | 25 |
| MAX SEA STATE: | - BEAUFORT SCALE |
| ENDURANCE: | 60 DAY(S) |
| LIMITING FACTOR: | - |
| BUILDER: | DEFOE SHIPBUILDING COMPANY |
| WHERE BUILT: | BAY CITY MI USA |
| INITIAL COST: | - |
| DUE DATE: | - |
| KEEL DATE: | 09 AUG 67 |
| LAUNCH DATE: | 21 AUG 68 |
| DELIVERY DATE: | '70 |
| COMMISSION DATE: | 14 JAN 70 |
| CONVERSION DATE: | - |
| LAST OVERHAUL: | - |
| MAINTENANCE CYCLE: | - YEARS |
| END OF LIFE: | 2000 |
| UPDATE OF INFORMATION: | 16 DEC 82 |

## SHIP DIMENSIONS

| | |
|---|---|
| LENGTH: | 244.8 FEET |
| MAX BEAM: | 46.0 FEET |
| HEIGHT: | - FEET |
| GROSS TONNAGE: | - |
| DISPLACEMENT: | 1915 TONS |
| DRAUGHT: | 15.0 FEET |
| CRUISE SPEED: | 10.0 KNOTS |
| RANGE: | 10000 NAUTICAL MILES |
| MAX SPEED: | 11.5 KNOTS |
| MIN SPEED: | 0.1 KNOTS |

ENGINEERING/DECK EQUIPMENT

| | |
|---|---|
| MAIN PROPULSION: | DIESEL GEARED |
| AUXILIARY PROPULSION: | CYCLOIDAL PROP FWD |
| NUMBER OF SHAFTS: | 2 |
| FUEL TYPE: | - |
| BOW THRUSTER: | YES |
| ACTIVE RUDDER: | N |
| DYNAMIC POSITIONING: | N |
| ANTI-ROLL: | N |
| STABILIZER: | N |
| DEEP ANCHOR: | 25000 FEET |
| BERTHING VAN DIMENSIONS: | YES |
| INSTRUMENT VAN DIMENSIONS: | YES |
| WET-LAB: | Y |
| DRY-LAB: | Y |
| AMMUNITION STORAGE: | - |
| HELO SUPPORT: | N |
| METEOROLOGICAL OBSERVATIONS: | - |
| UTILITY BOATS: | N |
| A, U, OR L FRAMES | |
| MAX HOIST CAPACITY: | POUNDS |
| NUMBER OF FRAMES: | 0 |
| CRANES OR BOOMS | |
| MAX HOIST CAPACITY: | 80000 POUNDS |
| NUMBER OF CRANES: | 2 |
| WINCHES: | |
| 01. MAJOR TYPE/USE: | HYDROGRAPHIC |
| SECONDARY TYPE/USE: | UNKNOWN |
| SLIP-RINGS: | |
| TYPE WIRE: | WIRE ROPE |
| WIRE LENGTH: | 30000 FEET |
| WIRE DIAMETER: | 0.187 INCHES |
| 02. MAJOR TYPE/USE: | HYDROGRAPHIC |
| SECONDARY TYPE/USE: | UNKNOWN |
| SLIP-RINGS: | |
| TYPE WIRE: | WIRE ROPE |
| WIRE LENGTH: | 30000 FEET |
| WIRE DIAMETER: | 0.187 INCHES |
| 03. MAJOR TYPE/USE: | CORING |
| SECONDARY TYPE/USE: | UNKNOWN |
| SLIP-RINGS: | |
| TYPE WIRE: | WIRE ROPE |
| WIRE LENGTH: | 30000 FEET |
| WIRE DIAMETER: | 0.625 INCHES |

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ELECTRONIC EQUIPMENT

| | |
|---|---|
| COMPUTERS: | HP 2116B |
| FACSIMILE: | Y |
| ELECTROMAGNETIC LOG: | - |
| INERTIAL NAVIGATION: | N |
| RADAR (SURFACE SCAN): | Y |
| LORAN A: | Y |
| LORAN C: | Y |
| OMEGA: | N |
| SATELLITE NAVIGATION: | Y |
| RADIO TELETYPE COMMUNICATION: | - |
| SINGLE SIDE BAND: | Y |
| VHF COMMUNICATIONS: | Y |
| STABLE TABLE: | N |
| NARROW BEAM: | - |
| SEISMIC PROFILING: | - |
| SIDE SCAN: | - |
| SOUNDING SYSTEM (SHALLOW): | HYDRO PRODUCTS |
| SOUNDING SYSTEM (DEEP): | RAYTHEON |

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KNORR LAST CHANGED 15 DEC 82

OPS SCHEDULE FOR PERIOD
01 JAN 83 THRU 31 DEC 83

OCEANOGRAPHIC RESEARCH — SARMIENTO — NSF/DOE

DEP: 29 DEC 82 BELEM, BR — TROPICAL ATLANTIC STUDY
ARR: 21 JAN 83 DAKAR, SENEGAL — CIRCULATION, MIXING PROCESSES — 24
AREA INDEX: SA1 NA10

DEP: 26 JAN 83 DAKAR, SENEGAL — TROPICAL ATLANTIC STUDY
ARR: 19 FEB 83 RECIFE, BR — CIRCULATION, MIXING PROCESSES — 25
AREA INDEX: SA1 NA10

OCEANOGRAPHIC RESEARCH — DEUSER — NSF

DEP: 22 FEB 83 RECIFE, BR — RECOVER/RE-DEPLOY SEDIMENT TRAP.EAS
ARR: 10 MAR 83 WOODS HOLE — BARBADOS. PORT CALL-BARBADOS — 17
AREA INDEX: SA1 NA9 NA10

OUT OF SERVICE

DEP: 11 MAR 83 WOODS HOLE — MAINTENANCE & DRYDOCKING
ARR: 14 APR 83 WOODS HOLE — 35
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH — HOLLISTER ET AL. — ONR

DEP: 15 APR 83 WOODS HOLE — HEBBLE/TEST SEDIMENT TRANSPORT MODE
ARR: 25 APR 83 WOODS HOLE — NOVA SCOTIA RISE — 10
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH — VON HERZEN — NSF

DEP: 30 APR 83 WOODS HOLE — HEAT FLOW MEASUREMENTS ACROSS THE
ARR: 31 MAY 83 WOODS HOLE — BERMUDA RISE — 31
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH — HOLLISTER ET AL. — ONR

DEP: 05 JUN 83 WOODS HOLE — HEBBLE/TEST SEDIMENT TRANSPORT MODE
ARR: 18 JUN 83 WOODS HOLE — NOVA SCOTIA RISE — 13
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH — STOMMEL/LUYTEN — NSF

DEP: 06 JUL 83 WOODS HOLE — GEOCHEMISTRY/OCEAN CIRCULATION, FLU
ARR: 01 AUG 83 PARAMARIBO SURINAM — N. ATL. 50W MERIDIONAL SECTION — 26
AREA INDEX: NA6 NA9

OCEANOGRAPHIC RESEARCH — KATZ — NSF

DEP: 09 AUG 83 PARAMARIBO SURINAM — DYNAMIC MECHANISMS.SEQUAL-2 STATION
ARR: 07 SEP 83 ABIDJAN — MOORINGS. EQUATORIAL ATLANTIC — 29

AREA INDEX: NA9 NA10 NA11 SA1 SA2

OCEANOGRAPHIC RESEARCH

DEP: 12 SEP 83 ABIDJAN — TRANSIT
ARR: 23 SEP 83 CAPETOWN — 11
AREA INDEX: NA11 SA2 SA4

OCEANOGRAPHIC RESEARCH — GORDON — ONR

DEP: 26 SEP 83 CAPETOWN  STUDY WINTER CONVECTION IN THERMOCL
ARR: 26 OCT 83 CAPETOWN  STRUCTURE OF AGULHAS CURRENT  30
AREA INDEX: SA4  SA6  IN6

OCEANOGRAPHIC RESEARCH  NOWLIN/REID  NSF/ONR

DEP: 01 NOV 83 CAPETOWN  STUDY WATER MASS CIRC. & FRONTS/S.A
ARR: 04 JAN 84 CAPETOWN  ANTARCTIC CIRCUMPOLAR GYRES  64
AREA INDEX: SA4  SA6  IN9  IN6

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## OCEANUS

### POINT OF CONTACT INFORMATION

| | |
|---|---|
| POC: | MR J D DONNELLY |
| POC OFFICE: | MANAGER |
| POC ORGANIZATION: | MARINE OPERATIONS |
| POC ADDRESS: | WOODS HOLE OCEANOGRAPHIC INST. |
| POC CITY/STATE: | WOODS HOLE MA 02543 |
| FTS PREFIX: | 617 |
| COMMERCIAL AREA CODE: | 617 |
| PHONE: | 548-1400 |

### ADMINISTRATIVE DETAILS

| | |
|---|---|
| DESIGNATOR: | RV |
| CLASS: | OCEANUS |
| CALL SIGN (INTERNATIONAL): | - |
| FLEET: | UNOLS |
| SHIP TYPE: | OCEAN RESEARCH-GENERAL |
| SHIP OWNER: | NSF |
| CERTIFICATION AUTHORITY: | - |
| FLAG REGISTRY: | USA |
| HOME PORT: | WOODS HOLE MA |
| TECHNICAL SPONSOR: | U WOODS HOLE OCEANOGRAPHIC INST. |
| OPERATIONS CONTROL: | WOODS HOLE OCEANOGRAPHIC INST. |
| CONTRACTUAL INFORMATION: | NONE |
| OPERATING COST/DAY: | 3.6/78 THOUSAND $'S |
| SCIENTIFIC COMPLEMENT: | 13 |
| NUMBER OFFICERS: | 4 |
| NUMBER IN CREW: | 8 |
| MAX SEA STATE: | 3 BEAUFORT SCALE |
| ENDURANCE: | 30 DAY(S) |
| LIMITING FACTOR: | FUEL |
| BUILDER: | - |
| WHERE BUILT: | USA |
| INITIAL COST: | 3.5/75 MILLION $'S IN YEAR |
| DUE DATE: | - |
| KEEL DATE: | - |
| LAUNCH DATE: | 19 DEC 74 |
| DELIVERY DATE: | 00 NOV 75 |
| COMMISSION DATE: | - |
| CONVERSION DATE: | - |
| LAST OVERHAUL: | - |
| MAINTENANCE CYCLE: | - YEARS |
| END OF LIFE: | 2000 |
| UPDATE OF INFORMATION: | 16 DEC 82 |

### SHIP DIMENSIONS

| | |
|---|---|
| LENGTH: | 177.0 FEET |
| MAX BEAM: | 33.0 FEET |
| HEIGHT: | 86.0 FEET |
| GROSS TONNAGE: | 297 |
| DISPLACEMENT: | 960 TONS |
| DRAUGHT: | 17.5 FEET |
| CRUISE SPEED: | 14.0 KNOTS |
| RANGE: | 8000 NAUTICAL MILES |
| MAX SPEED: | 15.0 KNOTS |
| MIN SPEED: | 1.0 KNOTS |

ENGINEERING/DECK EQUIPMENT

| | |
|---|---|
| MAIN PROPULSION: | DIESEL GEARED |
| AUXILIARY PROPULSION: | NO |
| NUMBER OF SHAFTS: | 1 |
| FUEL TYPE: | 2 DIESEL |
| BOW THRUSTER: | TRAINABLE |
| ACTIVE RUDDER: | N |
| DYNAMIC POSITIONING: | N |
| ANTI-ROLL: | N |
| STABILIZER: | N |
| DEEP ANCHOR: | 20000 FEET |
| BERTHING VAN DIMENSIONS: | 8X8X20 |
| INSTRUMENT VAN DIMENSIONS: | 8X8X20 |
| WET-LAB: | Y |
| DRY-LAB: | Y |
| AMMUNITION STORAGE: | N |
| HELO SUPPORT: | N |
| METEOROLOGICAL OBSERVATIONS: | - |

UTILITY BOATS:

1. 15 FOOT RUBBER INFLATABLE
2. 12 FOOT SKIFF

A, U, OR L FRAMES

| | |
|---|---|
| MAX HOIST CAPACITY: | 35000 POUNDS |
| NUMBER OF FRAMES: | 3 |

CRANES OR BOOMS

| | |
|---|---|
| MAX HOIST CAPACITY: | 24000 POUNDS |
| NUMBER OF CRANES: | 1 |

WINCHES:

01.

| | |
|---|---|
| MAJOR TYPE/USE: | TRAWL |
| SECONDARY TYPE/USE: | CORING |
| SLIP-RINGS: | N |
| TYPE WIRE: | WIRE ROPE |
| WIRE LENGTH: | 30000 FEET |
| WIRE DIAMETER: | 0.500 INCHES |

02.

| | |
|---|---|
| MAJOR TYPE/USE: | HYDROGRAPHIC |
| SECONDARY TYPE/USE: | UNKNOWN |
| SLIP-RINGS: | N |
| TYPE WIRE: | WIRE ROPE |
| WIRE LENGTH: | 30000 FEET |
| WIRE DIAMETER: | 0.187 INCHES |

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ELECTRONIC EQUIPMENT

| | |
|---|---|
| COMPUTERS: | HP 2100 |
| FACSIMILE: | Y |
| ELECTROMAGNETIC LOG: | N |
| INERTIAL NAVIGATION: | N |
| RADAR (SURFACE SCAN): | Y |
| LORAN A: | N |
| LORAN C: | Y |
| OMEGA: | N |
| SATELLITE NAVIGATION: | Y |
| RADIO TELETYPE COMMUNICATION: | N |
| SINGLE SIDE BAND: | Y |
| VHF COMMUNICATIONS: | Y |
| STABLE TABLE: | N |
| NARROW BEAM: | N |
| SEISMIC PROFILING: | N |
| SIDE SCAN: | N |
| SOUNDING SYSTEM (SHALLOW): | ROSS |
| SOUNDING SYSTEM (DEEP): | NO |

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OCEANUS LAST CHANGED 15 DEC 82

OPS SCHEDULE FOR PERIOD
01 JAN 83 THRU 31 DEC 83

OUT OF SERVICE WHOI

DEP: 23 DEC 82 WOODS HOLE MAINTENANCE
ARR: 09 JAN 83 WOODS HOLE 18
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH MCCARTNEY NSF

DEP: 10 JAN 83 WOODS HOLE CIRCULATION OF MID-DEPTH WATER MASS
ARR: 13 MAR 83 RIO DE JANEIRO, BR CEN.S.ATL. PORT CALL-RECIFE BR 63
AREA INDEX: NA6 NA9 NA10 SA1 SA3

OCEANOGRAPHIC RESEARCH STOMMEL NSF

DEP: 17 MAR 83 RIO DE JANEIRO, BR XBT SURVEY. 13S - 23S BRAZIL CURREN
ARR: 30 MAR 83 RIO DE JANEIRO, BR 14
AREA INDEX: SA3A SA3

OCEANOGRAPHIC RESEARCH MCCARTNEY NSF

DEP: 03 APR 83 RIO DE JANEIRO, BR CIRCULATION OF MID-WATER MASSES. S.
ARR: 16 APR 83 WALVIS BAY NAMIBIA W - E TRANSECT ALONG 22S 14
AREA INDEX: SA1 SA2 SA3 SA3A

OCEANOGRAPHIC RESEARCH WARREN NSF

DEP: 30 APR 83 WALVIS BAY NAMIBIA DEEP CIRCULATION/ANGOLA BASIN. S. A
ARR: 11 JUN 83 WOODS HOLE E-W TRANSECT 11S.PORT-RECIFE 43

AREA INDEX: SA2 SA1 NA10 NA9 NA6

OUT OF SERVICE

DEP: 12 JUN 83 WOODS HOLE MAINTENANCE
ARR: 07 JUL 83 WOODS HOLE 25
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH BUTMAN USGS

DEP: 08 JUL 83 WOODS HOLE CURRENTS & SEDIMENT DYNAMICS
ARR: 17 JUL 83 WOODS HOLE GEORGES BANK & GULF OF MAINE 9
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH SPINDEL NSF

DEP: 20 JUL 83 WOODS HOLE ACOUSTIC TOMOGRAPHY, DEPLOY/RECOVER
ARR: 26 JUL 83 WOODS HOLE OCEAN MOORINGS. S. OF BERMUDA 6
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH MADIN/SWANBERG NSF

DEP: 01 AUG 83 WOODS HOLE BIOLOGY OF GELATINOUS ZOOPLANKTON
ARR: 15 AUG 83 ST.JOHNS, NFLND W. NORTH ATLANTIC 14
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH JANNASCH NSF

DEP: 18 AUG 83 ST.JOHNS, NFLND MICROBIAL TRANSFORMATIONS IN DEEP S
ARR: 31 AUG 83 WOODS HOLE W. NO.ATL. ABYSSAL PLAIN AREA 13
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH HOLLISTER ONR

DEP: 14 SEP 83 WOODS HOLE HEBBLE - MOORINGS RECOVERY
ARR: 18 SEP 83 WOODS HOLE NOVA SCOTIA RISE 4
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH CHASE NASA

DEP: 23 SEP 83 WOODS HOLE FIELD TEST SATELLITE-LINKED OCEAN O
ARR: 26 SEP 83 WOODS HOLE SERVING SYS(RELAYS) W.NO.ATL. 3
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH SPINDEL ONR

DEP: 30 SEP 83 WOODS HOLE ACOUSTIC TOMOGRAPHY, DEPLOY/RECOVER
ARR: 06 OCT 83 WOODS HOLE OCEAN MOORING. S. OF BERMUDA 6
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH BRISCOE ONR/NASA

DEP: 12 OCT 83 WOODS HOLE UPPER OCEAN VARIABILITY(LOTUS) 34N,
ARR: 20 OCT 83 WOODS HOLE WESTERN NORTH ATLANTIC 8
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH BUTMAN USGS

DEP: 27 OCT 83 WOODS HOLE CURRENTS & SEDIMENT DYNAMICS
ARR: 03 NOV 83 WOODS HOLE GEORGES BANK & GULF OF MAINE 7

AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH GRASSLE BLM

DEP: 09 NOV 83 WOODS HOLE BASELINE ECOLOGICAL STUDIES IN OFFS
ARR: 20 NOV 83 WOODS HOLE DRILLING AREAS. GEORGES BANK 11
AREA INDEX: NA6

OPEN

DEP: 01 DEC 83 WOODS HOLE OPEN
ARR: 16 DEC 83 WOODS HOLE 15
AREA INDEX: OPEN
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POINT OF CONTACT INFORMATION

| | |
|---|---|
| SHIP NAME: | JOHNSON |
| NAME: | ROGER W COOK |
| OFFICE: | DIRECTOR, MARINE OPERATIONS |
| ORGANIZATION: | HARBOR BRANCH FOUNDATION INC |
| ADDRESS: | R R 1 BOX 196 |
| CITY-STATE: | FORT PIERCE FL 33450 |
| COMMERCIAL AREA CODE: | 305 |
| PHONE: | 465-2400 |

SHIP DIMENSIONS

| | |
|---|---|
| LENGTH: | 123.7 FEET |
| MAX BEAM: | 27.4 FEET |
| DISPLACEMENT: | 335 TONS |
| DRAUGHT: | 10.7 FEET |
| CRUISE SPEED: | 12.0 KNOTS |
| RANGE: | 2880 NAUTICAL MILES |

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JOHNSON — LAST CHANGED 18 NOV 82

OPS SCHEDULE FOR PERIOD
01 JAN 83 THRU 31 DEC 83

| | | | |
|---|---|---|---|
| OUT OF SERVICE | | | HARBOR BRANCH |
| DEP: 04 JAN 83 FORT PIERCE, FL<br>ARR: 28 JAN 83 FORT PIERCE, FL<br>AREA INDEX: NA9 NA6 | | ANNUAL MAINTENANCE | 24 |
| OCEANOGRAPHIC RESEARCH | MILLER | | HARBOR BRANCH |
| DEP: 14 MAR 83 FORT PIERCE, FL<br>ARR: 18 MAR 83 FORT PIERCE, FL<br>AREA INDEX: NA9 NA6 | | SCIENCE MISSION | 4 |
| OCEANOGRAPHIC RESEARCH | HOSKIN | | HARBOR BRANCH |
| DEP: 10 APR 83 FORT PIERCE, FL<br>ARR: 15 APR 83 FORT PIERCE, FL<br>AREA INDEX: NA9 NA6 | | SCIENCE MISSION | 5 |
| OCEANOGRAPHIC RESEARCH | | | HARBOR BRANCH |
| DEP: 16 APR 83 FORT PIERCE, FL<br>ARR: 22 APR 83 FORT PIERCE, FL<br>AREA INDEX: NA9 NA6 | | TRAINING | 6 |
| OCEANOGRAPHIC RESEARCH | YOUNGBLUTH | | HARBOR BRANCH |
| DEP: 01 MAY 83 FORT PIERCE, FL<br>ARR: 20 MAY 83 FORT PIERCE, FL<br>AREA INDEX: NA9 NA6 | | SCIENCE MISSION | 19 |
| OCEANOGRAPHIC RESEARCH | VIRNSTEIN | | HARBOR BRANCH |
| DEP: 06 JUN 83 FORT PIERCE, FL<br>ARR: 07 JUN 83 FORT PIERCE, FL<br>AREA INDEX: NA9 NA6 | | SCIENCE MISSION | 1 |
| OCEANOGRAPHIC RESEARCH | HOSKIN | | HARBOR BRANCH |

DEP: 13 JUN 83 FORT PIERCE, FL SCIENCE MISSION
ARR: 17 JUN 83 FORT PIERCE, FL 4
AREA INDEX: NA9 NA6

OCEANOGRAPHIC RESEARCH MILLER HARBOR BRANCH

DEP: 20 JUN 83 FORT PIERCE, FL SCIENCE MISSION
ARR: 24 JUN 83 FORT PIERCE, FL 4
AREA INDEX: NA9 NA6

OCEANOGRAPHIC RESEARCH HARBOR BRANCH

DEP: 05 JUL 83 FORT PIERCE, FL SPECIAL MISSION
ARR: 02 SEP 83 FORT PIERCE, FL 59
AREA INDEX: NA9 NA6

OCEANOGRAPHIC RESEARCH MILLER HARBOR BRANCH

DEP: 12 SEP 83 FORT PIERCE, FL SCIENCE MISSION
ARR: 16 SEP 83 FORT PIERCE, FL 4
AREA INDEX: NA9 NA6

OCEANOGRAPHIC RESEARCH HOSKIN HARBOR BRANCH

DEP: 19 SEP 83 FORT PIERCE, FL SCIENCE MISSION
ARR: 23 SEP 83 FORT PIERCE, FL 4
AREA INDEX: NA9 NA6

OCEANOGRAPHIC RESEARCH HARBOR BRANCH

DEP: 02 OCT 83 FORT PIERCE, FL SCIENCE MISSION
ARR: 28 OCT 83 FORT PIERCE, FL 26
AREA INDEX: NA9 NA6 NP13

OCEANOGRAPHIC RESEARCH MILLER HARBOR BRANCH

DEP: 07 NOV 83 FORT PIERCE, FL SCIENCE MISSION
ARR: 10 NOV 83 FORT PIERCE, FL 3
AREA INDEX: NA9 NA6

OCEANOGRAPHIC RESEARCH HARBOR BRANCH

DEP: 13 NOV 83 FORT PIERCE, FL TRAINING
ARR: 23 NOV 83 FORT PIERCE, FL 10
AREA INDEX: NA9 NA6
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R.V. JOHNSON
FORT PIERCE

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POINT OF CONTACT INFORMATION

| | |
|---|---|
| SHIP NAME: | SEA DIVER |
| NAME: | ROGER W COOK |
| OFFICE: | DIRECTOR, MARINE OPERATIONS |
| ORGANIZATION: | HARBOR BRANCH FOUNDATION INC |
| ADDRESS: | R R 1 BOX 196 |
| CITY-STATE: | FORT PIERCE FL 33450 |
| COMMERCIAL AREA CODE: | 305 |
| PHONE: | 465-2400 |

SHIP DIMENSIONS

| | |
|---|---|
| LENGTH: | 98.6 FEET |
| MAX BEAM: | 23.1 FEET |
| DISPLACEMENT: | 234 TONS |
| DRAUGHT: | 9.1 FEET |
| CRUISE SPEED: | 10.0 KNOTS |
| RANGE: | 5000 NAUTICAL MILES |

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SEA DIVER LAST CHANGED 18 NOV 82

OPS SCHEDULE FOR PERIOD
01 JAN 83 THRU 31 DEC 83

OUT OF SERVICE — HARBOR BRANCH

DEP: 31 JAN 83 FORT PIERCE, FL — ANNUAL MAINTENANCE
ARR: 04 MAR 83 FORT PIERCE, FL — 32
AREA INDEX: NA6 NA9

OCEANOGRAPHIC RESEARCH — GIBSON/MONTGOMERY — HARBOR BRANCH

DEP: 14 MAR 83 FORT PIERCE, FL — SCIENCE MISSION
ARR: 18 MAR 83 FORT PIERCE, FL — 4
AREA INDEX: NA6 NA9

OCEANOGRAPHIC RESEARCH — BLAIR — HARBOR BRANCH

DEP: 21 MAR 83 FORT PIERCE, FL — SCIENCE MISSION
ARR: 25 MAR 83 FORT PIERCE, FL — 4
AREA INDEX: NA6 NA9

OCEANOGRAPHIC RESEARCH — SMITH — HARBOR BRANCH

DEP: 23 MAY 83 FORT PIERCE, FL — SCIENCE MISSION
ARR: 24 MAY 83 FORT PIERCE, FL — 1
AREA INDEX: NA6 NA9

DEP: 06 JUN 83 FORT PIERCE, FL — SCIENCE MISSION
ARR: 10 JUN 83 FORT PIERCE, FL — 4
AREA INDEX: NA6 NA9

OCEANOGRAPHIC RESEARCH — GIBSON/MONTGOMERY — HARBOR BRANCH

DEP: 20 JUN 83 FORT PIERCE, FL — SCIENCE MISSION
ARR: 24 JUN 83 FORT PIERCE, FL — 4
AREA INDEX: NA6 NA9

OCEANOGRAPHIC RESEARCH — BLAIR — HARBOR BRANCH

DEP: 27 JUN 83 FORT PIERCE, FL SCIENCE MISSION
ARR: 01 JUL 83 FORT PIERCE, FL 4
AREA INDEX: NA6 NA9

OCEANOGRAPHIC RESEARCH GIBSON/MONTGOMERY HARBOR BRANCH

DEP: 05 JUL 83 FORT PIERCE, FL SCIENCE MISSION
ARR: 18 JUL 83 FORT PIERCE, FL 13
AREA INDEX: NA6 NA9

OCEANOGRAPHIC RESEARCH SMITH HARBOR BRANCH

DEP: 21 JUL 83 FORT PIERCE, FL SCIENCE MISSION
ARR: 22 JUL 83 FORT PIERCE, FL 1
AREA INDEX: NA6 NA9

DEP: 27 JUL 83 FORT PIERCE, FL SCIENCE MISSION
ARR: 29 JUL 83 FORT PIERCE, FL 2
AREA INDEX: NA6 NA9

DEP: 03 AUG 83 FORT PIERCE, FL SCIENCE MISSION
ARR: 05 AUG 83 FORT PIERCE, FL 2
AREA INDEX: NA6 NA9

DEP: 10 AUG 83 FORT PIERCE, FL SCIENCE MISSION
ARR: 12 AUG 83 FORT PIERCE, FL 2
AREA INDEX: NA6 NA9

DEP: 17 AUG 83 FORT PIERCE, FL SCIENCE MISSION
ARR: 19 AUG 83 FORT PIERCE, FL 2
AREA INDEX: NA6 NA9

DEP: 24 AUG 83 FORT PIERCE, FL SCIENCE MISSION
ARR: 26 AUG 83 FORT PIERCE, FL 2
AREA INDEX: NA6 NA9

OCEANOGRAPHIC RESEARCH BLAIR HARBOR BRANCH

DEP: 06 SEP 83 FORT PIERCE, FL SCIENCE MISSION
ARR: 09 SEP 83 FORT PIERCE, FL 3
AREA INDEX: NA6 NA9

OCEANOGRAPHIC RESEARCH GIBSON/MONTGOMERY HARBOR BRANCH

DEP: 12 SEP 83 FORT PIERCE, FL SCIENCE MISSION
ARR: 16 SEP 83 FORT PIERCE, FL 4
AREA INDEX: NA6 NA9

OCEANOGRAPHIC RESEARCH YOUNGBLUTH HARBOR BRANCH

DEP: 25 SEP 83 FORT PIERCE, FL SCIENCE MISSION
ARR: 14 OCT 83 FORT PIERCE, FL 19

AREA INDEX: NA6 NA9

OCEANOGRAPHIC RESEARCH GIBSON/MONTGOMERY HARBOR BRANCH

DEP: 31 OCT 83 FORT PIERCE, FL SCIENCE MISSION
ARR: 04 NOV 83 FORT PIERCE, FL 4
AREA INDEX: NA6 NA9

OCEANOGRAPHIC RESEARCH BLAIR HARBOR BRANCH

DEP: 07 NOV 83 FORT PIERCE, FL SCIENCE MISSION
ARR: 11 NOV 83 FORT PIERCE, FL 4
AREA INDEX: NA6 NA9

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POINT OF CONTACT INFORMATION

| | |
|---|---|
| SHIP NAME: | WESTWARD |
| NAME: | WALLACE C STARK |
| OFFICE: | MARINE SUPERINTENDENT |
| ORGANIZATION: | SEA EDUCATION ASSOCIATION |
| ADDRESS: | P.O. BOX 6 |
| CITY-STATE: | WOODS HOLE MA 02543 |
| FTS PREFIX: | 617 |
| COMMERCIAL AREA CODE: | 617 |
| PHONE: | 540-3954 |

SHIP DIMENSIONS

| | |
|---|---|
| LENGTH: | 125.0 FEET |
| MAX BEAM: | - FEET |
| DISPLACEMENT: | 250 TONS |
| DRAUGHT: | - FEET |
| CRUISE SPEED: | 7.0 KNOTS |
| RANGE: | - NAUTICAL MILES |

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WESTWARD LAST CHANGED 14 DEC 82

OPS SCHEDULE FOR PERIOD
01 JAN 83 THRU 31 DEC 83

SEA SEMESTER PROGRAM — A W STONER — SEA EDUCATION

DEP: 24 NOV 82 ST.THOMAS, VI — SARGASSO SEA,SHELF-HISPANIOLA,FL ST
ARR: 05 JAN 83 MIAMI — PORT-CAICOS IS.,BELIZE — 43
AREA INDEX: NA9

SEA SEMESTER PROGRAM — SEA EDUCATION

DEP: 02 FEB 83 MIAMI, FL — CARIBBEAN & BAHAMAS
ARR: 16 MAR 83 MIAMI, FL — 42
AREA INDEX: NA9

DEP: 06 APR 83 KEY WEST, FL — WEST CENTRAL ATLANTIC
ARR: 18 MAY 83 WOODS HOLE, MA — 42
AREA INDEX: NA9 NA6

DEP: 01 JUN 83 WOODS HOLE, MA — BERMUDA & N.W. ATLANTIC
ARR: 13 JUL 83 ROCKLAND, ME — 42
AREA INDEX: NA6

DEP: 20 JUL 83 ROCKLAND, ME — NORTHWESTERN ATLANTIC
ARR: 31 AUG 83 BOSTON, MA — 42
AREA INDEX: NA6

DEP: 12 OCT 83 WOODS HOLE, MA — CENTRAL ATLANTIC
ARR: 23 NOV 83 ST. THOMAS, VI — 42
AREA INDEX: NA6 NA9

DEP: 30 NOV 83 ST. THOMAS, VI — CARIBBEAN
ARR: 11 JAN 84 MIAMI, FL — 42
AREA INDEX: NA9

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## OTHER UNIVERSITY OR INSTITUTIONAL VESSELS

## (OVER 50 FT. LOA)

The following is a listing of other university research vessels registered with the University - National Oceanographic Laboratory System (UNOLS) Office and for which schedules have not been received or are not routinely prepared in advance. These vessels take regular cruises in local waters and, unless otherwise indicated, the nature of the work is general oceanography, coastal research and student training.

Most of these vessels are able to accommodate cooperative projects within the capability of the vessel either on a not-to-interfere or on a reimbursable basis. Further information should be obtained from the listed contact. Corrections and additions should be submitted to the UNOLS Office.

| INSTITUTION | SHIP NAME | LOA (FT) | AREA OF OPERATION | CONTACT |
|---|---|---|---|---|
| Southern Main Vocational Technical Institute<br>Dept. of Marine Science and Technology<br>Fort Road<br>South Portland, Maine 04106 | AQUALAB III | 146 | New England Coast | Brian Hathaway<br>(207)799-7303 |
| Massachusetts Institute of Technology<br>Sea Grant College Program<br>292 Main Street<br>Bldg. E-28, Rm. 366<br>Cambridge, Massachusetts 02142 | EDGERTON | 65 | New England Coast | Arthur Clifton<br>(617)253-7136 |
| Southeastern Massachusetts University<br>North Dartmouth, Massachusetts 02747 | CORSAIR | 65 | Cape Cod Waters | Jefferson Turner<br>(617)999-8229 |
| University of Connecticut<br>Marine Science Institute<br>SE Branch, Avery Point<br>Groton, Connecticut 06340 | UCONN | 65 | Southern New England Coast<br>Long Island Sound | Sung Feng<br>(203)446-1020,<br>Ext. 211 |
| Marine Sciences Research Center<br>State University of New York<br>Stony Brook, New York 11794 | ONRUST | 55 | New York Bight<br>Long Island Sound<br>Hudson River | Fred G. Roberts<br>(516)246-6546 |

| INSTITUTION | SHIP NAME | LOA (FT) | AREA OF OPERATION | CONTACT |
|---|---|---|---|---|
| Hobart & William Smith Colleges<br>Geneva, New York 14456 | HOBART & WILLIAM SMITH EXPLORER | 65 | Finger Lakes and Great Lakes | F. Richard Wilkens<br>(315)789-5500, Ext. 213 |
| State University College at Buffalo<br>1300 Elmwood Avenue<br>Buffalo, New York 14222 | C.A. DAMBACH | 65 | Great Lakes | Robert A. Sweeney<br>(716)878-5422 |
| University of Wisconsin-Milwaukee<br>Center for Great Lakes Studies<br>Milwaukee, Wisconsin 53201 | NEESKAY | 65 | Great Lakes | Donald F. Mraz<br>(414)224-3007 |
| University of Maryland<br>Chesapeake Biological Lab<br>Solomons, Maryland 20688 | AQUARIUS<br>ORION | 65<br>62 | Chesapeake Bay | Elgin A. Dunnington<br>(301)326-4281 |
| Old Dominion University<br>Dept. of Oceanography<br>Box 6173<br>Norfolk, Virginia 23508 | LINWOOD HOLTON | 65 | Chesapeake Bay<br>Mid-Atlantic Coast | William S. Dunston<br>(804)440-4285 |
| Virginia Institute of Marine Science<br>Gloucester Point<br>Virginia 23062 | RETRIEVER | 115 | Mid-Atlantic Coast<br>Chesapeake Bay | John M. Zeigler<br>(804)642-2111 |
| The Marine Science Consortium, Inc.<br>P. O. Box 16<br>Wallops Island, Virginia 23337 | DELAWARE BAY | 50 | NJ to VA to 50 mi. offshore | Robert W. Hinds<br>(804)824-5636 |
| Bermuda Biological Station<br>St. George's West<br>Bermuda | PANULIRUS II | 64 | Bermuda | Anthony H. Knap<br>(809)297-1880 |
| Cape Fear Technical Institute<br>411 North Front Street<br>Wilmington, North Carolina 28401 | NORTH STAR | 73 | Atlantic Coast | Arthur W. Jordan<br>(919)343-0481, Ext. 244 |
| Florida Institute of Technology<br>Melbourne, Florida 32901 | TURSIOPS | 65 | Savannah Bight<br>Florida, Bahamas | Jack Morton<br>(305)723-3701, Ext. 302 |

| INSTITUTION | SHIP NAME | LOA (FT) | AREA OF OPERATION | CONTACT |
|---|---|---|---|---|
| Nova University<br>Ocean Sciences Center<br>8000 North Ocean Drive<br>Dania, Florida 33004 | ENDLESS SEAS | 67 | Florida Coastal Waters | Jan Witte<br>(305)475-8330,<br>Ext. 288 |
| Florida Institute for Oceanography<br>830 First Street, South<br>St. Petersburg, Florida 33701 | BELLOWS<br>SUNCOASTER | 65<br>110 | Florida Coast<br>Gulf of Mexico<br>Caribbean | William W. Behrens<br>(813)893-9100<br>FTS 826-2211 |
| Marine Environmental Sciences Consortium<br>Dauphin Island Sea Laboratory<br>P. O. Box 386<br>Dauphin Island, Alabama 36528 | G.A.ROUNSEFELL | 65 | Gulf of Mexico | Fred Rees<br>(205)861-2141 |
| University of Puerto Rico<br>Dept. of Marine Sciences<br>Mayaguez, Puerto Rico 00708 | CRAWFORD<br>MEDUSA | 125<br>56 | Caribbean Sea | M.L. Hernandez-Avi<br>(809)832-4040,<br>Ext. 3439 |
| Gulf Coast Research Laboratory<br>P. O. Drawer AG<br>Ocean Springs, Mississippi 39565 | GULF RESEARCHER | 65 | Gulf of Mexico | Harold D. Howse<br>(601)875-2244 |
| Occidental College<br>Department of Biology<br>1600 Campus Road<br>Los Angeles, California 90041 | VANTUNA | 85 | California Coast | John S. Stephens<br>(213)259-2675 |
| University of Michigan<br>2200 Bonisteel Blvd.<br>Ann Arbor, Michigan 48109 | LAURENTIAN | 80 | Great Lakes | Clifford Tetzloff<br>(313)763-3183 |

**********

POINT OF CONTACT INFORMATION

| | |
|---|---|
| SHIP NAME: | USNS BARTLETT |
| NAME: | MR RICHARD G EVANS |
| OFFICE: | OCEANOGRAPHIC OPS DESK |
| ORGANIZATION: | NAVOCEANO |
| ADDRESS: | NSTL STATION |
| CITY-STATE: | BAY ST LOUIS MS 39522 |
| AUTOVON PREFIX: | 485 |
| FTS PREFIX: | 494 |
| COMMERCIAL AREA CODE: | 601 |
| PHONE: | 688-4005 |

SHIP DIMENSIONS

| | |
|---|---|
| LENGTH: | 210.3 FEET |
| MAX BEAM: | 39.5 FEET |
| DISPLACEMENT: | 1325 TONS |
| DRAUGHT: | 18.0 FEET |
| CRUISE SPEED: | 9.0 KNOTS |
| RANGE: | 12000 NAUTICAL MILES |

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USNS BARTLETT LAST CHANGED 15 DEC 82

OPS SCHEDULE FOR PERIOD
01 JAN 83 THRU 31 DEC 83

OCEANOGRAPHIC RESEARCH — NAVOCEANO

DEP: 03 JAN 83 BAYONNE, NJ — ENROUTE
ARR: 04 JAN 83 WOODS HOLE, MA — 1
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH — APL/UW

DEP: 07 JAN 83 WOODS HOLE, MA — APL/UW 1303-83 WINTER CONVECTION
ARR: 24 JAN 83 WOODS HOLE, MA — 17
AREA INDEX: NA6

OUT OF SERVICE — MSC

DEP: 26 JAN 83 WOODS HOLE, MA — ENROUTE TO YARD
ARR: 31 JAN 83 PORT TBD — 5
AREA INDEX: NA6

DEP: 31 JAN 83 PORT TBD — YARD / OVERHAUL
ARR: 02 MAR 83 PORT TBD — 30
AREA INDEX: NA6

DEP: 02 MAR 83 PORT TBD — RFS PERIOD.
ARR: 07 MAR 83 PORT TBD — 5
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH — NAVOCEANO

DEP: 07 MAR 83 PORT TBD — NAVOCEANO 1304-83 SPONSOR SHAKEDOWN
ARR: 11 MAR 83 PORT EVERGLADES FL — 4
AREA INDEX: NA6 NA9

OCEANOGRAPHIC RESEARCH — NORDA

DEP: 15 MAR 83 PORT EVERGLADES FL — NORDA 1305-83 CAVITATION

ARR: 01 APR 83 PORT EVERGLADES FL 17
AREA INDEX: NA9

OCEANOGRAPHIC RESEARCH NOSC

DEP: 06 APR 83 PORT EVERGLADES FL NOSC 1306-83 MICROSTRUCTURE I
ARR: 12 APR 83 PORT EVERGLADES FL 6
AREA INDEX: NA6 NA9

DEP: 15 APR 83 PORT EVERGLADES FL NOSC 1306-83 MICROSTRUCTURE I
ARR: 05 MAY 83 BERMUDA 20
AREA INDEX: NA6 NA9

DEP: 10 MAY 83 BERMUDA NOSC 1306-83 MICROSTRUCTURE I
ARR: 30 MAY 83 PORT EVERGLADES FL 20
AREA INDEX: NA6 NA9

OCEANOGRAPHIC RESEARCH NORDA

DEP: 13 JUN 83 PORT EVERGLADES FL NORDA 1307-83 DEEP TOWED GEOPHYSICS
ARR: 07 JUL 83 PORT EVERGLADES FL 24
AREA INDEX: NA9 NA6

OCEANOGRAPHIC RESEARCH NOSC

DEP: 11 JUL 83 PORT EVERGLADES FL NOSC 1308-83 MICROSTRUCTURE II
ARR: 27 JUL 83 BERMUDA 16
AREA INDEX: NA6 NA9

DEP: 30 JUL 83 BERMUDA NOSC 1308-83 MICROSTRUCTURE II
ARR: 15 AUG 83 PORT EVERGLADES FL 16
AREA INDEX: NA6 NA9

OCEANOGRAPHIC RESEARCH NORDA

DEP: 29 AUG 83 PORT EVERGLADES FL NORDA 1309-83 BERMEX
ARR: 14 SEP 83 PORT EVERGLADES FL 16
AREA INDEX: NA6 NA9

OCEANOGRAPHIC RESEARCH NRL

DEP: 19 SEP 83 PORT EVERGLADES FL NRL 1310-83 PROJECT K154
ARR: 10 OCT 83 PORT TBD 21
AREA INDEX: NA6 NA9
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POINT OF CONTACT INFORMATION

| | |
|---|---|
| SHIP NAME: | USNS SILAS BENT |
| NAME: | MR RICHARD G EVANS |
| OFFICE: | OCEANOGRAPHIC OPS DESK |
| ORGANIZATION: | NAVOCEANO |
| ADDRESS: | NSTL STATION |
| CITY-STATE: | BAY ST LOUIS MS 39522 |
| AUTOVON PREFIX: | 485 |
| FTS PREFIX: | 494 |
| COMMERCIAL AREA CODE: | 601 |
| PHONE: | 688-4005 |

SHIP DIMENSIONS

| | |
|---|---|
| LENGTH: | 285.3 FEET |
| MAX BEAM: | 48.0 FEET |
| DISPLACEMENT: | 2580 TONS |
| DRAUGHT: | 19.0 FEET |
| CRUISE SPEED: | 13.5 KNOTS |
| RANGE: | 12000 NAUTICAL MILES |

**********
**********

USNS SILAS BENT LAST CHANGED 06 DEC 82

OPS SCHEDULE FOR PERIOD
01 JAN 83 THRU 31 DEC 83

OUT OF SERVICE MSC

DEP: 20 DEC 82 OAKLAND, CA PRE-YARD PERIOD AND HOLIDAY INPORT
ARR: 20 JAN 83 OAKLAND, CA 32
AREA INDEX: NP9

DEP: 20 JAN 83 OAKLAND, CA YARD
ARR: 21 FEB 83 OAKLAND, CA 32
AREA INDEX: NP9

DEP: 21 FEB 83 OAKLAND, CA HODAS INSTALLATION
ARR: 21 MAR 83 OAKLAND, CA 28
AREA INDEX: NP9

OUT OF SERVICE

DEP: 21 MAR 83 OAKLAND, CA TEST AND SHAKEDOWN
ARR: 11 APR 83 PEARL HARBOR, HI 21
AREA INDEX: NP9 NP12

OCEANOGRAPHIC SURVEYS OMP

DEP: 15 APR 83 PEARL HARBOR, HI SURVOPS 2603-83 OMP
ARR: 09 MAY 83 KODIAK, AK 24
AREA INDEX: NP12 NP9 NP6

DEP: 13 MAY 83 KODIAK, AK SURVOPS 2604-83 OMP
ARR: 03 JUN 83 SEATTLE, WA 21

AREA INDEX: NP6 NP9

OCEANOGRAPHIC SURVEYS NESC

DEP: 08 JUN 83 SEATTLE, WA SURVOPS 2605-83 NESC
ARR: 01 JUL 83 KODIAK, AK 23

AREA INDEX: NP9  NP6

DEP: 06 JUL 83 KODIAK, AK  SURVOPS 2605-83 NESC
ARR: 27 JUL 83 ANCHORAGE, AK  21
AREA INDEX: NP9  NP6

DEP: 01 AUG 83 ANCHORAGE, AK  SURVOPS 2605-83 NESC
ARR: 23 AUG 83 OAKLAND, CA  22
AREA INDEX: NP9  NP6

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OUT OF SERVICE  MSC

DEP: 23 AUG 83 OAKLAND, CA  UPKEEP
ARR: 06 SEP 83 OAKLAND, CA  14
AREA INDEX: NP9

.....

OCEANOGRAPHIC SURVEYS  NEA

DEP: 06 SEP 83 OAKLAND, CA  SURVOPS 2606-83 NEA
ARR: 29 SEP 83 OAKLAND, CA  23
AREA INDEX: NP9

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**********

POINT OF CONTACT INFORMATION

| | |
|---|---|
| SHIP NAME: | USNS CHAUVENET |
| NAME: | PAUL TAYLOR |
| OFFICE: | MC&G OPS DESK |
| ORGANIZATION: | NAVOCEANO |
| ADDRESS: | NSTL STATION |
| CITY-STATE: | BAY ST LOUIS MS 39522 |
| AUTOVON PREFIX: | 485 |
| FTS PREFIX: | 494 |
| COMMERCIAL AREA CODE: | 601 |
| PHONE: | 688-4050 |

SHIP DIMENSIONS

| | |
|---|---|
| LENGTH: | 393.1 FEET |
| MAX BEAM: | 54.1 FEET |
| DISPLACEMENT: | 4330 TONS |
| DRAUGHT: | 17.5 FEET |
| CRUISE SPEED: | 15.0 KNOTS |
| RANGE: | 12000 NAUTICAL MILES |

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USNS CHAUVENET LAST CHANGED 26 NOV 82

OPS SCHEDULE FOR PERIOD
01 JAN 83 THRU 31 DEC 83

HYDROGRAPHIC SURVEYS NAVOCEANO

DEP: 03 JAN 83 SUBIC BAY, PP SURVOPS 1-83
ARR: 24 JAN 83 JAKARTA, ID 22
AREA INDEX: IN5 NP10 IN4

DEP: 29 JAN 83 JAKARTA, ID SURVOPS 2-83
ARR: 21 FEB 83 SUBIC BAY, PP 25
AREA INDEX: IN5 NP10 IN4

DEP: 25 FEB 83 SUBIC BAY, PP SURVOPS 3-83
ARR: 21 MAR 83 SUBIC BAY, PP 25
AREA INDEX: IN5 NP10

DEP: 25 MAR 83 SUBIC BAY, PP SURVOPS 4-83
ARR: 18 APR 83 SINGAPORE 25
AREA INDEX: NP10 IN5 IN4 IN2

DEP: 22 APR 83 SINGAPORE SURVOPS 5-83
ARR: 16 MAY 83 SUBIC BAY, PP 25
AREA INDEX: NP10 IN5 IN4 IN2

DEP: 20 MAY 83 SUBIC BAY, PP SURVOPS 6-83
ARR: 13 JUN 83 SUBIC BAY, PP 25
AREA INDEX: NP10 IN5

DEP: 17 JUN 83 SUBIC BAY, PP SURVOPS 7-83
ARR: 11 JUL 83 SINGAPORE 25
AREA INDEX: NP10 IN5 IN4 IN2

DEP: 15 JUL 83 SINGAPORE SURVOPS 8-83
ARR: 08 AUG 83 SUBIC BAY, PP 25
AREA INDEX: NP10 IN5 IN4 IN2

DEP: 12 AUG 83 SUBIC BAY, PP SURVOPS 9-83
ARR: 05 SEP 83 SUBIC BAY, PP 25
AREA INDEX: NP10 IN5

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POINT OF CONTACT INFORMATION

| | |
|---|---|
| SHIP NAME: | USNS DE STEIGUER |
| NAME: | MR RICHARD G EVANS |
| OFFICE: | OCEANOGRAPHIC OPS DESK |
| ORGANIZATION: | NAVOCEANO |
| ADDRESS: | NSTL STATION |
| CITY-STATE: | BAY ST LOUIS MS 39522 |
| AUTOVON PREFIX: | 485 |
| FTS PREFIX: | 494 |
| COMMERCIAL AREA CODE: | 601 |
| PHONE: | 688-4005 |

SHIP DIMENSIONS

| | |
|---|---|
| LENGTH: | 210.3 FEET |
| MAX BEAM: | 39.5 FEET |
| DISPLACEMENT: | 1325 TONS |
| DRAUGHT: | 18.0 FEET |
| CRUISE SPEED: | 9.0 KNOTS |
| RANGE: | 12000 NAUTICAL MILES |

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USNS DE STEIGUER LAST CHANGED 16 DEC 82

OPS SCHEDULE FOR PERIOD
01 JAN 83 THRU 31 DEC 83

OUT OF SERVICE — MSC

DEP: 29 NOV 82 SAN DIEGO, CA — OVERHAUL. SOUTHWEST MARINE YARD.
ARR: 03 JAN 83 SAN DIEGO, CA — 36
AREA INDEX: NP9

DEP: 03 JAN 83 SAN DIEGO, CA — RES PERIOD.
ARR: 08 JAN 83 SAN DIEGO, CA — 6
AREA INDEX: NP9

OCEANOGRAPHIC RESEARCH — NAVOCEANO

DEP: 08 JAN 83 SAN DIEGO, CA — SPONSOR SHAKEDOWN/CSDG-1
ARR: 14 JAN 83 SAN DIEGO, CA — 7
AREA INDEX: NP9

OCEANOGRAPHIC RESEARCH — NOSC

DEP: 18 JAN 83 SAN DIEGO, CA — NOSC 1202-83 PASSIVE RANGING
ARR: 28 JAN 83 SAN DIEGO, CA — 10
AREA INDEX: NP9

OCEANOGRAPHIC RESEARCH — NORDA

DEP: 01 FEB 83 SAN DIEGO, CA — NORDA 1207-83 VERTICAL ARRAY
ARR: 21 FEB 83 SAN DIEGO, CA — 21
AREA INDEX: NP9

OCEANOGRAPHIC RESEARCH — NOSC

DEP: 25 FEB 83 SAN DIEGO, CA — NOSC 1204-83 AAUS-I
ARR: 17 MAR 83 OAKLAND, CA — 20
AREA INDEX: NP9

DEP: 21 MAR 83 OAKLAND, CA — NOSC 1204-83 AAUS-I

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ARR: 09 APR 83 SEATTLE, WA                                          19
AREA INDEX: NP9
     ..........................................

OCEANOGRAPHIC RESEARCH                                    NAVOCEANO

DEP: 21 APR 83 SEATTLE, WA          ENROUTE
ARR: 02 MAY 83 ADAK, AK                                             11
AREA INDEX: NP9   NP6   NP5
     ..........................................
OCEANOGRAPHIC RESEARCH                                    NORDA

DEP: 06 MAY 83 ADAK, AK             NORDA 1205-83 MARINE SEISMICS (MSS)
ARR: 25 MAY 83 ADAK, AK                                             19
AREA INDEX: NP5
     ..........................................
OCEANOGRAPHIC RESEARCH                                    APL/UW

DEP: 30 MAY 83 ADAK, AK             APL/UW 1206-83 MULTI-SCAN PROFILER
ARR: 20 JUN 83 ADAK, AK                                             21
AREA INDEX: NP9   NP5   NP6
     ..........................................
OCEANOGRAPHIC RESEARCH                                    NORDA

DEP: 24 JUN 83 ADAK, AK             NORDA 1205-83 MARINE SEISMICS (MSS)
ARR: 13 JUL 83 ADAK, AK                                             19
AREA INDEX: NP5
     ..........................................
OCEANOGRAPHIC RESEARCH                                    NAVOCEANO

DEP: 18 JUL 83 ADAK, AK             ENROUTE
ARR: 28 JUL 83 SEATTLE, WA                                          10
AREA INDEX: NP5   NP6   NP9
     ..........................................
OCEANOGRAPHIC RESEARCH                                    NOSC

DEP: 10 AUG 83 SEATTLE, WA          NOSC 1207-83 AAUS-II
ARR: 26 AUG 83 OAKLAND, CA                                          16
AREA INDEX: NP9

DEP: 31 AUG 83 OAKLAND, CA          NOSC 1207-83 AAUS-II
ARR: 19 SEP 83 SAN DIEGO, CA                                        19
AREA INDEX: NP9
     ..........................................
OCEANOGRAPHIC RESEARCH                                    APL/JHU

DEP: 26 SEP 83 SAN DIEGO, CA        APL/JHU 1208-83 STANDARD AURA
ARR: 21 OCT 83 PORT TBD                                             25
AREA INDEX: NP9
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POINT OF CONTACT INFORMATION

| | |
|---|---|
| SHIP NAME: | USNS HARKNESS |
| NAME: | PAUL TAYLOR |
| OFFICE: | MC%G OPS DESK |
| ORGANIZATION: | NAVOCEANO |
| ADDRESS: | NSTL STATION |
| CITY-STATE: | BAY ST LOUIS MS 39522 |
| AUTOVON PREFIX: | 485 |
| FTS PREFIX: | 494 |
| COMMERCIAL AREA CODE: | 601 |
| PHONE: | 688-4050 |

SHIP DIMENSIONS

| | |
|---|---|
| LENGTH: | 393.1 FEET |
| MAX BEAM: | 54.0 FEET |
| DISPLACEMENT: | 4330 TONS |
| DRAUGHT: | 17.5 FEET |
| CRUISE SPEED: | 15.0 KNOTS |
| RANGE: | 12000 NAUTICAL MILES |

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USNS HARKNESS LAST CHANGED 16 DEC 82

OPS SCHEDULE FOR PERIOD
01 JAN 83 THRU 31 DEC 83

HYDROGRAPHIC SURVEYS NAVOCEANO

DEP: 03 JAN 83 GULFPORT, MS SURVOPS 3-83
ARR: 24 JAN 83 ROOSEVELT ROADS PR 22
AREA INDEX: NA9

DEP: 28 JAN 83 ROOSEVELT ROADS PR SURVOPS 4-83
ARR: 21 FEB 83 WILLEMSTAD, CURACO 24
AREA INDEX: NA9

DEP: 25 FEB 83 WILLEMSTAD, CURACO SURVOPS 5-83
ARR: 21 MAR 83 PORT EVERGLADES FL 24
AREA INDEX: NA9

DEP: 25 MAR 83 PORT EVERGLADES FL SURVOPS 6-83
ARR: 18 APR 83 INPORT TBD 24
AREA INDEX: NA9

DEP: 22 APR 83 INPORT TBD SURVOPS 7-83
ARR: 16 MAY 83 INPORT TBD 24
AREA INDEX: NA9

OUT OF SERVICE MSC

DEP: 16 MAY 83 INPORT TBD UPKEEP PRIOR TO EXTENDED OVERSEAS
ARR: 06 JUN 83 INPORT TBD DEPLOYMENT 21
AREA INDEX: NA6

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POINT OF CONTACT INFORMATION

| | |
|---|---|
| SHIP NAME: | USNS KANE |
| NAME: | MR RICHARD G EVANS |
| OFFICE: | OCEANOGRAPHIC OPS DESK |
| ORGANIZATION: | NAVOCEANO |
| ADDRESS: | NSTL STATION |
| CITY-STATE: | BAY ST LOUIS MS 39522 |
| AUTOVON PREFIX: | 485 |
| FTS PREFIX: | 494 |
| COMMERCIAL AREA CODE: | 601 |
| PHONE: | 688-4005 |

SHIP DIMENSIONS

| | |
|---|---|
| LENGTH: | 285.3 FEET |
| MAX BEAM: | 48.0 FEET |
| DISPLACEMENT: | 2499 TONS |
| DRAUGHT: | 19.0 FEET |
| CRUISE SPEED: | 14.5 KNOTS |
| RANGE: | 12000 NAUTICAL MILES |

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**********

USNS KANE LAST CHANGED 16 DEC 82

OPS SCHEDULE FOR PERIOD
01 JAN 83 THRU 31 DEC 83

| | | | |
|---|---|---|---|
| OCEANOGRAPHIC SURVEYS | | | NESC |
| DEP: 05 JAN 83 FORT LAUDERDALE FL | SURVOPS 2703-83 NESC | | |
| ARR: 28 JAN 83 ROOSEVELT ROADS PR | | | 23 |
| AREA INDEX: NA9 | | | |
| DEP: 02 FEB 83 ROOSEVELT ROADS PR | SURVOPS 2703-83 NESC | | |
| ARR: 24 FEB 83 CHARLESTON, SC | | | 22 |
| AREA INDEX: NA9 NA6 | | | |
| OUT OF SERVICE | | | MSC |
| DEP: 24 FEB 83 CHARLESTON, SC | UPKEEP - MID-TERM | | |
| ARR: 11 MAR 83 CHARLESTON, SC | | | 15 |
| AREA INDEX: NA6 | | | |
| OCEANOGRAPHIC SURVEYS | | | NAVOCEANO |
| DEP: 11 MAR 83 CHARLESTON, SC | ENROUTE | | |
| ARR: 25 MAR 83 GLASGOW, UK | | | 14 |
| AREA INDEX: NA6 NA7 NA5 | | | |
| DEP: 01 APR 83 GLASGOW, UK | SURVOPS 2704-83 NEA | | |
| ARR: 22 APR 83 GLASGOW, UK | | | 22 |
| AREA INDEX: NA5 | | | |
| DEP: 27 APR 83 GLASGOW, UK | SURVOPS 2704-83 NEA | | |
| ARR: 20 MAY 83 GLASGOW, UK | | | 23 |
| AREA INDEX: NA5 | | | |
| DEP: 25 MAY 83 GLASGOW, UK | SURVOPS 2705-83 MINE WARFARE | | |
| ARR: 17 JUN 83 GLASGOW, UK | | | 23 |
| AREA INDEX: NA5 | | | |

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OUT OF SERVICE                                                    MSC

DEP: 17 JUN 83 GLASGOW, UK          UPKEEP
ARR: 01 JUL 83 GLASGOW, UK                                          14
AREA INDEX: NA5
     .....................................................
OCEANOGRAPHIC SURVEYS                                             NESC

DEP: 27 JUL 83 GLASGOW, UK          SURVOPS 2706-83 NESC
ARR: 19 AUG 83 REYKJAVIK, IC                                        23
AREA INDEX: NA5    NA1

DEP: 24 AUG 83 GLASGOW, UK          SURVOPS 2706-83 NESC
ARR: 16 SEP 83 NORFOLK, VA                                          23
AREA INDEX: NA1    NA4    NA5
     .....................................................
OUT OF SERVICE                                                    MSC

DEP: 16 SEP 83 NORFOLK, VA          UPKEEP
ARR: 30 SEP 83 NORFOLK, VA                                          14
AREA INDEX: NA5
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POINT OF CONTACT INFORMATION

| | |
|---|---|
| SHIP NAME: | USNS LYNCH |
| NAME: | MR RICHARD G EVANS |
| OFFICE: | OCEANOGRAPHIC OPS DESK |
| ORGANIZATION: | NAVOCEANO |
| ADDRESS: | NSTL STATION |
| CITY-STATE: | BAY ST LOUIS MS 39522 |
| AUTOVON PREFIX: | 485 |
| FTS PREFIX: | 494 |
| COMMERCIAL AREA CODE: | 601 |
| PHONE: | 688-4005 |

SHIP DIMENSIONS

| | |
|---|---|
| LENGTH: | 208.8 FEET |
| MAX BEAM: | 39.0 FEET |
| DISPLACEMENT: | 1409 TONS |
| DRAUGHT: | 18.0 FEET |
| CRUISE SPEED: | 9.0 KNOTS |
| RANGE: | 12000 NAUTICAL MILES |

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**********

USNS LYNCH LAST CHANGED 06 DEC 82

OPS SCHEDULE FOR PERIOD
01 JAN 83 THRU 31 DEC 83

OUT OF SERVICE MSC

DEP: 03 JAN 83 GULFPORT, MS ENROUTE
ARR: 07 JAN 83 PORT TBD 4
AREA INDEX: NA9

DEP: 07 JAN 83 PORT TBD YARD/OVERHAUL
ARR: 24 JAN 83 PORT TBD 17
AREA INDEX: NA9

DEP: 24 JAN 83 PORT TBD RFS PERIOD.
ARR: 28 JAN 83 PORT TBD 4
AREA INDEX: NA9

DEP: 28 JAN 83 PORT TBD SPONSOR SHAKEDOWN
ARR: 04 FEB 83 PORT EVERGLADES FL 7
AREA INDEX: NA9

OCEANOGRAPHIC RESEARCH NORDA

DEP: 08 FEB 83 PORT EVERGLADES FL NORDA 704-83 VOLUME SCATTERERS
ARR: 24 FEB 83 ROOSEVELT ROADS PR 16
AREA INDEX: NA6 NA9

DEP: 28 FEB 83 ROOSEVELT ROADS PR ENROUTE
ARR: 21 MAR 83 GLASGOW, UK 21
AREA INDEX: NA9 NA6 NA7 NA5

OUT OF SERVICE MSC

DEP: 21 MAR 83 GLASGOW, UK UPKEEP
ARR: 01 APR 83 GLASGOW, UK 11
AREA INDEX: NA5

OCEANOGRAPHIC RESEARCH NRL

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DEP: 01 APR 83 GLASGOW, UK          NRL 705-83 ACOUSTICS
ARR: 22 APR 83 GLASGOW, UK                                        21
AREA INDEX: NA5   NA7
     .....................................
OCEANOGRAPHIC RESEARCH                                      NOSC

DEP: 27 APR 83 GLASGOW, UK          NOSC 706-83 MARINE CHEMISTRY
ARR: 17 MAY 83 BERGEN, NORWAY                                     20
AREA INDEX: NA1   NA2   NA4   NA5
     .....................................
OCEANOGRAPHIC RESEARCH                                      NRL

DEP: 22 MAY 83 BERGEN, NORWAY       NRL 707-83 ARCTIC ACOUSTICS
ARR: 15 JUN 83 GLASGOW, UK                                        24
AREA INDEX: NA5   AR2   NA2
     .....................................
OCEANOGRAPHIC RESEARCH                                      NAVOCEANO

DEP: 20 JUN 83 GLASGOW, UK          ENROUTE
ARR: 01 JUL 83 DAKAR, SENEGAL                                     11

AREA INDEX: NA5   NA7   NA10
     .....................................
OCEANOGRAPHIC RESEARCH                                      NORDA

DEP: 04 JUL 83 DAKAR, SENEGAL       NORDA 708-83 FINE-SCALE PROCESSES
ARR: 28 JUL 83 BERMUDA                                            24
AREA INDEX: NA10  SA1   NA6
     .....................................
OCEANOGRAPHIC RESEARCH                                      NAVOCEANO

DEP: 29 JUL 83 BERMUDA              ENROUTE
ARR: 01 AUG 83 NEW LONDON, CT                                      3
AREA INDEX: NA6
     .....................................
OCEANOGRAPHIC RESEARCH                                      NUSC

DEP: 15 AUG 83 NEW LONDON, CT       NUSC 709-83 WEAP
ARR: 05 SEP 83 NEW LONDON, CT                                     21
AREA INDEX: NA6

DEP: 09 SEP 83 NEW LONDON, CT       NUSC 710-83 ADVANCED ARRAY
ARR: 26 SEP 83 BERMUDA                                            17
AREA INDEX: NA6

DEP: 30 SEP 83 BERMUDA              NUSC 711-83 SHALLOW-WATER CORRELATI
ARR: 14 OCT 83 NEW LONDON, CT                                     14
AREA INDEX: NA6   NA9
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POINT OF CONTACT INFORMATION

| | |
|---|---|
| SHIP NAME: | USNS WILKES |
| NAME: | MR RICHARD G EVANS |
| OFFICE: | OCEANOGRAPHIC OPS DESK |
| ORGANIZATION: | NAVOCEANO |
| ADDRESS: | NSTL STATION |
| CITY-STATE: | BAY ST LOUIS MS 39522 |
| AUTOVON PREFIX: | 485 |
| FTS PREFIX: | 494 |
| COMMERCIAL AREA CODE: | 601 |
| PHONE: | 688-4005 |

SHIP DIMENSIONS

| | |
|---|---|
| LENGTH: | 286.7 FEET |
| MAX BEAM: | 48.1 FEET |
| DISPLACEMENT: | 2596 TONS |
| DRAUGHT: | 19.0 FEET |
| CRUISE SPEED: | 15.4 KNOTS |
| RANGE: | 7200 NAUTICAL MILES |

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USNS WILKES LAST CHANGED 13 DEC 82

OPS SCHEDULE FOR PERIOD
01 JAN 83 THRU 31 DEC 83

OUT OF SERVICE NAVOCEANO

DEP: 13 DEC 82 GULFPORT, MS INSTALL NAVOCEANO COMPUTER EQUIPMEN
ARR: 08 JAN 83 GULFPORT, MS 27
AREA INDEX: NA9

DEP: 15 JAN 83 GULFPORT, MS TEST/SHAKEDOWN
ARR: 26 JAN 83 GULFPORT, MS 11
AREA INDEX: NA9

OCEANOGRAPHIC SURVEYS NAVOCEANO

DEP: 31 JAN 83 GULFPORT, MS ENROUTE
ARR: 16 FEB 83 FORTALEZA, BR 16
AREA INDEX: NA9 NA10 SA1

DEP: 21 FEB 83 FORTALEZA, BR SURVOPS 3301-83 ENVIRONMENTAL OPS
ARR: 16 MAR 83 RIO DE JANEIRO, BR 23
AREA INDEX: SA1

DEP: 21 MAR 83 RIO DE JANEIRO, BR SURVOPS 3301-83 ENVIRONMENTAL OPS
ARR: 13 APR 83 RECIFE, BR 23
AREA INDEX: SA1

DEP: 27 APR 83 RECIFE, BR SURVOPS 3301-83 ENVIRONMENTAL OPS
ARR: 19 MAY 83 SALVADOR 22
AREA INDEX: SA1

DEP: 24 MAY 83 SALVADOR SURVOPS 3301-83 ENVIRONMENTAL OPS
ARR: 15 JUN 83 FORTALEZA, BR 22
AREA INDEX: SA1

DEP: 21 JUN 83 FORTALEZA, BR SURVOPS 3301-83 ENVIRONMENTAL OPS
ARR: 13 JUL 83 ASCENSION ISLAND 22
AREA INDEX: SA1

DEP: 19 JUL 83 ASCENSION ISLAND SURVOPS 3701-83 ENVIRONMENTAL OPS
ARR: 09 AUG 83 RECIFE, BR 22
AREA INDEX: SA1

DEP: 23 AUG 83 RECIFE, BR SURVOPS 3701-83 ENVIRONMENTAL OPS
ARR: 14 SEP 83 RIO DE JANEIRO, BR 22
AREA INDEX: SA1

DEP: 19 SEP 83 RIO DE JANEIRO, BR SURVOPS 3701-83 ENVIRONMENTAL OPS
ARR: 12 OCT 83 PORT TBD 23
AREA INDEX: SA1
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POINT OF CONTACT INFORMATION

| | |
|---|---|
| SHIP NAME: | ACANIA |
| NAME: | CHRISTOPHER MOORS |
| OFFICE: | CHAIRMAN |
| ORGANIZATION: | DEPARTMENT OF OCEANOGRAPHY |
| ADDRESS: | NAVAL POSTGRADUATE SCHOOL |
| CITY-STATE: | MONTEREY CA 93940 |
| AUTOVON PREFIX: | 878 |
| FTS PREFIX: | 408 |
| COMMERCIAL AREA CODE: | 408 |
| PHONE: | 646-2673 |

SHIP DIMENSIONS

| | |
|---|---|
| LENGTH: | 126.0 FEET |
| MAX BEAM: | 21.6 FEET |
| DISPLACEMENT: | 247 TONS |
| DRAUGHT: | 9.0 FEET |
| CRUISE SPEED: | 10.0 KNOTS |
| RANGE: | 6500 NAUTICAL MILES |

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ACANIA LAST CHANGED 15 DEC 82

OPS SCHEDULE FOR PERIOD
01 JAN 83 THRU 31 DEC 83

OCEANOGRAPHIC RESEARCH E. C. HADERLIE ONR

DEP: 03 JAN 83 MONTEREY, CA BIOLOGICAL FOULING. MONTEREY BAY.
ARR: 03 JAN 83 MONTEREY, CA 0
AREA INDEX: NP9

OUT OF SERVICE

DEP: 06 JAN 83 MONTEREY, CA MAINTENANCE
ARR: 06 JAN 83 MONTEREY, CA 0
AREA INDEX: NP9

OCEANOGRAPHIC RESEARCH E. B. THORNTON NPS

DEP: 07 JAN 83 MONTEREY, CA ADSP, MONTEREY BAY
ARR: 07 JAN 83 MONTEREY, CA 0
AREA INDEX: NP9

OCEANOGRAPHIC RESEARCH CDR IHLI NPS

DEP: 11 JAN 83 MONTEREY, CA VARIOUS CLASS PROJECTS, MONTEREY BA
ARR: 11 JAN 83 MONTEREY, CA 0
AREA INDEX: NP9

OCEANOGRAPHIC RESEARCH J. B. WICKHAM NOAA

DEP: 12 JAN 83 MONTEREY, CA VARIOUS CLASS PROJECTS, MONTEREY BA
ARR: 13 JAN 83 MONTEREY, CA 1
AREA INDEX: NP9

OUT OF SERVICE

DEP: 14 JAN 83 MONTEREY, CA MAINTENANCE
ARR: 14 JAN 83 MONTEREY, CA 0
AREA INDEX: NP9

OCEANOGRAPHIC RESEARCH — C. N. K. MOORS — ONR

DEP: 18 JAN 83 MONTEREY, CA — EQUIPMENT CHECK, MONTEREY BAY
ARR: 20 JAN 83 MONTEREY, CA — 2
AREA INDEX: NP9

DEP: 24 JAN 83 MONTEREY, CA — PHYSICAL CALIFES, COASTAL TO 1000 K
ARR: 28 JAN 83 MONTEREY, CA — 4
AREA INDEX: NP9

OCEANOGRAPHIC RESEARCH — E. C. HADERLIE — ONR

DEP: 31 JAN 83 MONTEREY, CA — BIOLOGICAL FOULING. MONTEREY BAY.
ARR: 31 JAN 83 MONTEREY, CA — 0
AREA INDEX: NP9

OCEANOGRAPHIC RESEARCH — E. D. TRAGANZA — ONR

DEP: 07 FEB 83 MONTEREY, CA — CHEM/PHYS. CHEMICAL MESOSCALE. CA C
ARR: 11 FEB 83 MONTEREY, CA — 4
AREA INDEX: NP9

OCEANOGRAPHIC RESEARCH — E. C. HADERLIE — ONR

DEP: 14 FEB 83 MONTEREY, CA — BIOLOGICAL FOULING. MONTEREY BAY.
ARR: 14 FEB 83 MONTEREY, CA — 0
AREA INDEX: NP9

OCEANOGRAPHIC RESEARCH — T. R. OSBORN — NORDA

DEP: 16 FEB 83 MONTEREY, CA — SHEAR PROBE EQUIPMENT TEST, BAY/CA
ARR: 17 FEB 83 MONTEREY, CA — 1
AREA INDEX: NP9

OUT OF SERVICE

DEP: 18 FEB 83 MONTEREY, CA — MAINTENANCE
ARR: 18 FEB 83 MONTEREY, CA — 0
AREA INDEX: NP9

OCEANOGRAPHIC RESEARCH — S. P. TUCKER — DARPA

DEP: 21 FEB 83 MONTEREY, CA — OPTICAL IRRADIANCE, CA COAST
ARR: 23 FEB 83 MONTEREY, CA — 2
AREA INDEX: NP9

OCEANOGRAPHIC RESEARCH — E. B. THORNTON — NPS

DEP: 24 FEB 83 MONTEREY, CA — ADSP, MONTEREY BAY
ARR: 24 FEB 83 MONTEREY, CA — 0
AREA INDEX: NP9

OUT OF SERVICE

DEP: 25 FEB 83 MONTEREY, CA — MAINTENANCE
ARR: 25 FEB 83 MONTEREY, CA — 0
AREA INDEX: NP9

OCEANOGRAPHIC RESEARCH — E. C. HADERLIE — ONR

DEP: 28 FEB 83 MONTEREY, CA — BIOLOGICAL FOULING. MONTEREY BAY.
ARR: 28 FEB 83 MONTEREY, CA — 0
AREA INDEX: NP9

OCEANOGRAPHIC RESEARCH — E. D. TRAGANZA — ONR

DEP: 07 MAR 83 MONTEREY, CA — CHEM/PHYS. CHEMICAL MESOSCALE. CA C
ARR: 10 MAR 83 MONTEREY, CA — 3
AREA INDEX: NP9

OCEANOGRAPHIC RESEARCH E. C. HADERLIE ONR

DEP: 11 MAR 83 MONTEREY, CA BIOLOGICAL FOULING. MONTEREY BAY.
ARR: 11 MAR 83 MONTEREY, CA 0
AREA INDEX: NP9

OUT OF SERVICE

DEP: 14 MAR 83 MONTEREY, CA MAINTENANCE
ARR: 14 MAR 83 MONTEREY, CA 0
AREA INDEX: NP9

OCEANOGRAPHIC RESEARCH J. B. WICKHAM NOAA/NPS

DEP: 16 MAR 83 MONTEREY, CA CLASS PROJECT/WAVE OBS, MONTEREY BA
ARR: 16 MAR 83 MONTEREY, CA 0
AREA INDEX: NP9

OCEANOGRAPHIC RESEARCH E. B. THORNTON NPS

DEP: 17 MAR 83 MONTEREY, CA ADSP, MONTEREY BAY
ARR: 17 MAR 83 MONTEREY, CA 0
AREA INDEX: NP9

OCEANOGRAPHIC RESEARCH CDR IHLI NPS

DEP: 18 MAR 83 MONTEREY, CA VARIOUS CLASS PROJECTS, MONTEREY BA
ARR: 18 MAR 83 MONTEREY, CA 0
AREA INDEX: NP9

OCEANOGRAPHIC RESEARCH E. C. HADERLIE ONR

DEP: 21 MAR 83 MONTEREY, CA BIOLOGICAL FOULING. MONTEREY BAY.
ARR: 21 MAR 83 MONTEREY, CA 0
AREA INDEX: NP9

OUT OF SERVICE

DEP: 22 MAR 83 MONTEREY, CA MAINTENANCE
ARR: 22 MAR 83 MONTEREY, CA 0
AREA INDEX: NP9

OCEANOGRAPHIC RESEARCH C. N. K. MOORS ONR

DEP: 23 MAR 83 MONTEREY, CA EQUIPMENT CHECK, MONTEREY BAY
ARR: 25 MAR 83 MONTEREY, CA 2
AREA INDEX: NP9

DEP: 28 MAR 83 MONTEREY, CA PHYSICAL CALIFES, COASTAL TO 1000 K
ARR: 07 APR 83 MONTEREY, CA 10
AREA INDEX: NP9

OCEANOGRAPHIC RESEARCH E. C. HADERLIE ONR

DEP: 11 APR 83 MONTEREY, CA BIOLOGICAL FOULING. MONTEREY BAY.
ARR: 11 APR 83 MONTEREY, CA 0
AREA INDEX: NP9

OCEANOGRAPHIC RESEARCH E. B. THORNTON NPS

DEP: 12 APR 83 MONTEREY, CA ADSP, MONTEREY BAY
ARR: 12 APR 83 MONTEREY, CA 0
AREA INDEX: NP9

OUT OF SERVICE

DEP: 15 APR 83 MONTEREY, CA MAINTENANCE
ARR: 15 APR 83 MONTEREY, CA 0
AREA INDEX: NP9

OCEANOGRAPHIC RESEARCH T. R. OSBORN NORDA

DEP: 18 APR 83 MONTEREY, CA SHEAR PROPE EQUIPMENT TEST, BAY/CA

ARR: 19 APR 83 MONTEREY, CA 1
AREA INDEX: NPS

OUT OF SERVICE

DEP: 22 APR 83 MONTEREY, CA MAINTENANCE
ARR: 22 APR 83 MONTEREY, CA 0
AREA INDEX: NPS

OCEANOGRAPHIC RESEARCH S. P. TUCKER DARPA

DEP: 25 APR 83 MONTEREY, CA OPTICAL IRRADIANCE, CA COAST
ARR: 27 APR 83 MONTEREY, CA 2
AREA INDEX: NPS

OUT OF SERVICE

DEP: 28 APR 83 MONTEREY, CA MAINTENANCE
ARR: 28 APR 83 MONTEREY, CA 0
AREA INDEX: NPS

OCEANOGRAPHIC RESEARCH E. C. HADERLIE ONR

DEP: 29 APR 83 MONTEREY, CA BIOLOGICAL FOULING. MONTEREY BAY.
ARR: 29 APR 83 MONTEREY, CA 0
AREA INDEX: NPS

OCEANOGRAPHIC RESEARCH E. D. TRAGANZA ONR

DEP: 02 MAY 83 MONTEREY, CA CHEM/PHYS. CHEMICAL MESOSCALE. CA C
ARR: 03 MAY 83 MONTEREY, CA 1
AREA INDEX: NPS

OCEANOGRAPHIC RESEARCH CDR IHLI NPS

DEP: 04 MAY 83 MONTEREY, CA VARIOUS CLASS PROJECTS, MONTEREY BA
ARR: 04 MAY 83 MONTEREY, CA 0
AREA INDEX: NPS

OCEANOGRAPHIC RESEARCH G. H. JUNG NPS

DEP: 05 MAY 83 MONTEREY, CA VARIOUS CLASS PROJECTS, MONTEREY BA
ARR: 05 MAY 83 MONTEREY, CA 0
AREA INDEX: NPS

OCEANOGRAPHIC RESEARCH E. D. TRAGANZA ONR

DEP: 06 MAY 83 MONTEREY, CA CHEM/PHYS. CHEMICAL MESOSCALE. CA C
ARR: 17 MAY 83 MONTEREY, CA 11
AREA INDEX: NPS

ARMED FORCES WEEK PAO NPS

DEP: 18 MAY 83 MONTEREY, CA CRUISE FOR MEDIA PERSONNEL
ARR: 18 MAY 83 MONTEREY, CA 0
AREA INDEX: NPS

OCEANOGRAPHIC RESEARCH E. C. HADERLIE ONR

DEP: 19 MAY 83 MONTEREY, CA BIOLOGICAL FOULING. MONTEREY BAY.

ARR: 19 MAY 83 MONTEREY, CA 0
AREA INDEX: NPS

OUT OF SERVICE

DEP: 20 MAY 83 MONTEREY, CA MAINTENANCE
ARR: 20 MAY 83 MONTEREY, CA 0
AREA INDEX: NPS

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OCEANOGRAPHIC RESEARCH          E. D. THORNTON          NPS

DEP: 23 MAY 83 MONTEREY, CA        ADSP, MONTEREY BAY
ARR: 23 MAY 83 MONTEREY, CA                                    0
AREA INDEX: NP9
OUT OF SERVICE

DEP: 27 MAY 83 MONTEREY, CA        MAINTENANCE
ARR: 27 MAY 83 MONTEREY, CA                                    0
AREA INDEX: NP9
OCEANOGRAPHIC RESEARCH          E. C. HADERLIE          ONR

DEP: 31 MAY 83 MONTEREY, CA        BIOLOGICAL FOULING. MONTEREY BAY.
ARR: 31 MAY 83 MONTEREY, CA                                    0
AREA INDEX: NP9
OCEANOGRAPHIC RESEARCH          LCDR MILLS              NPS

DEP: 02 JUN 83 MONTEREY, CA        VARIOUS CLASS PROJECTS, MONTEREY BA
ARR: 03 JUN 83 MONTEREY, CA                                    1
AREA INDEX: NP9
OCEANOGRAPHIC RESEARCH          E. C. HADERLIE          ONR

DEP: 06 JUN 83 MONTEREY, CA        BIOLOGICAL FOULING. MONTEREY BAY.
ARR: 06 JUN 83 MONTEREY, CA                                    0
AREA INDEX: NP9
OCEANOGRAPHIC RESEARCH          CDR IHLI                NPS

DEP: 07 JUN 83 MONTEREY, CA        VARIOUS CLASS PROJECTS, MONTEREY BA
ARR: 07 JUN 83 MONTEREY, CA                                    0
AREA INDEX: NP9
OUT OF SERVICE

DEP: 08 JUN 83 MONTEREY, CA        MAINTENANCE
ARR: 08 JUN 83 MONTEREY, CA                                    0
AREA INDEX: NP9
OCEANOGRAPHIC RESEARCH          T. R. OSBORN            NORDA

DEP: 09 JUN 83 MONTEREY, CA        SHEAR PROBE EQUIPMENT TEST, BAY/CA
ARR: 10 JUN 83 MONTEREY, CA                                    1
AREA INDEX: NP9
OCEANOGRAPHIC RESEARCH          C. N. K. MOOERS         ONR

DEP: 15 JUN 83 MONTEREY, CA        PHYSICAL CALIFES, COASTAL TO 1000 K

ARR: 21 JUN 83 MONTEREY, CA                                    6
AREA INDEX: NP9
OUT OF SERVICE

DEP: 24 JUN 83 MONTEREY, CA        MAINTENANCE
ARR: 24 JUN 83 MONTEREY, CA                                    0
AREA INDEX: NP9
OCEANOGRAPHIC RESEARCH          C. N. K. MOOERS         ONR

DEP: 29 JUN 83 MONTEREY, CA        PHYSICAL CALIFES, COASTAL TO 1000 K
ARR: 05 JUL 83 MONTEREY, CA                                    6
AREA INDEX: NP9
OCEANOGRAPHIC RESEARCH          E. B. THORNTON          NPS

DEP: 07 JUL 83 MONTEREY, CA        ADSP, MONTEREY BAY
ARR: 07 JUL 83 MONTEREY, CA                                    0
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AREA INDEX: NP9

OCEANOGRAPHIC RESEARCH — E. C. HADERLIE — ONR

DEP: 11 JUL 83 MONTEREY, CA — BIOLOGICAL FOULING. MONTEREY BAY.
ARR: 11 JUL 83 MONTEREY, CA — 0
AREA INDEX: NP9

OCEANOGRAPHIC RESEARCH — C. N. K. MOOERS — ONR

DEP: 13 JUL 83 MONTEREY, CA — PHYSICAL CALIFES, COASTAL TO 1000 K
ARR: 19 JUL 83 MONTEREY, CA — 6
AREA INDEX: NP9

OUT OF SERVICE

DEP: 22 JUL 83 MONTEREY, CA — MAINTENANCE
ARR: 22 JUL 83 MONTEREY, CA — 0
AREA INDEX: NP9

OCEANOGRAPHIC RESEARCH — E. C. HADERLIE — ONR

DEP: 25 JUL 83 MONTEREY, CA — BIOLOGICAL FOULING. MONTEREY BAY.
ARR: 25 JUL 83 MONTEREY, CA — 0
AREA INDEX: NP9

OCEANOGRAPHIC RESEARCH — CDR IHLI — NPS

DEP: 26 JUL 83 MONTEREY, CA — VARIOUS CLASS PROJECTS, MONTEREY BA
ARR: 26 JUL 83 MONTEREY, CA — 0
AREA INDEX: NP9

OUT OF SERVICE

DEP: 29 JUL 83 MONTEREY, CA — MAINTENANCE
ARR: 29 JUL 83 MONTEREY, CA — 0
AREA INDEX: NP9

DEP: 05 AUG 83 MONTEREY, CA — MAINTENANCE
ARR: 05 AUG 83 MONTEREY, CA — 0
AREA INDEX: NP9

OCEANOGRAPHIC RESEARCH — E. C. HADERLIE — ONR

DEP: 08 AUG 83 MONTEREY, CA — BIOLOGICAL FOULING. MONTEREY BAY.
ARR: 08 AUG 83 MONTEREY, CA — 0
AREA INDEX: NP9

OCEANOGRAPHIC RESEARCH — T. R. OSBORN — NORDA

DEP: 09 AUG 83 MONTEREY, CA — SHEAR PROBE EQUIPMENT TEST, BAY/CA
ARR: 10 AUG 83 MONTEREY, CA — 1
AREA INDEX: NP9

OUT OF SERVICE

DEP: 12 AUG 83 MONTEREY, CA — MAINTENANCE & LEAVE
ARR: 28 AUG 83 MONTEREY, CA — 16
AREA INDEX: NP9

OCEANOGRAPHIC RESEARCH — E. C. HADERLIE — ONR

DEP: 29 AUG 83 MONTEREY, CA — BIOLOGICAL FOULING. MONTEREY BAY.
ARR: 29 AUG 83 MONTEREY, CA — 0
AREA INDEX: NP9

OCEANOGRAPHIC RESEARCH — CDR IHLI — NPS

DEP: 30 AUG 83 MONTEREY, CA — VARIOUS CLASS PROJECTS, MONTEREY BA
ARR: 30 AUG 83 MONTEREY, CA — 0
AREA INDEX: NP9

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OCEANOGRAPHIC RESEARCH          E. B. THORNTON          NPS

DEP: 31 AUG 83 MONTEREY, CA     ADSP, MONTEREY BAY
ARR: 31 AUG 83 MONTEREY, CA                                    0
AREA INDEX: NP9
.....
OUT OF SERVICE

DEP: 02 SEP 83 MONTEREY, CA     MAINTENANCE
ARR: 02 SEP 83 MONTEREY, CA                                    0
AREA INDEX: NP9
.....
OCEANOGRAPHIC RESEARCH          E. C. HADERLIE          ONR

DEP: 05 SEP 83 MONTEREY, CA     BIOLOGICAL FOULING. MONTEREY BAY.
ARR: 05 SEP 83 MONTEREY, CA                                    0
AREA INDEX: NP9
.....
OCEANOGRAPHIC RESEARCH          T. R. OSBORN            NORDA

DEP: 12 SEP 83 MONTEREY, CA     SHEAR PROBE EQUIPMENT TEST, BAY/CA
ARR: 13 SEP 83 MONTEREY, CA                                    1
AREA INDEX: NP9
.....
OUT OF SERVICE

DEP: 16 SEP 83 MONTEREY, CA     MAINTENANCE
ARR: 16 SEP 83 MONTEREY, CA                                    0
AREA INDEX: NP9

.....
OCEANOGRAPHIC RESEARCH          E. C. HADERLIE          ONR

DEP: 19 SEP 83 MONTEREY, CA     BIOLOGICAL FOULING. MONTEREY BAY.
ARR: 19 SEP 83 MONTEREY, CA                                    0
AREA INDEX: NP9
.....
OCEANOGRAPHIC RESEARCH          C. R. DUNLAP

DEP: 20 SEP 83 MONTEREY, CA
ARR: 26 SEP 83 MONTEREY, CA                                    6
AREA INDEX: NP9
.....
OCEANOGRAPHIC RESEARCH          E. B. THORNTON          NPS

DEP: 29 SEP 83 MONTEREY, CA     ADSP, MONTEREY BAY
ARR: 29 SEP 83 MONTEREY, CA                                    0
AREA INDEX: NP9
.....
OUT OF SERVICE

DEP: 30 SEP 83 MONTEREY, CA     MAINTENANCE
ARR: 30 SEP 83 MONTEREY, CA                                    0
AREA INDEX: NP9
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POINT OF CONTACT INFORMATION

| | |
|---|---|
| SHIP NAME: | USNS HAYES |
| NAME: | MR LOU GALLI |
| OFFICE: | SHIP FACILITY GROUP CODE 5004 |
| ORGANIZATION: | NAVAL RESEARCH LABORATORY |
| ADDRESS: | DEPARTMENT OF THE NAVY |
| CITY-STATE: | WASHINGTON DC 20375 |
| AUTOVON PREFIX: | 297 |
| FTS PREFIX: | 202 |
| COMMERCIAL AREA CODE: | 202 |
| PHONE: | 767-3265 |

SHIP DIMENSIONS

| | |
|---|---|
| LENGTH: | 246.5 FEET |
| MAX BEAM: | 75.0 FEET |
| DISPLACEMENT: | 3320 TONS |
| DRAUGHT: | 22.5 FEET |
| CRUISE SPEED: | 14.0 KNOTS |
| RANGE: | 6000 NAUTICAL MILES |

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USNS HAYES LAST CHANGED 14 DEC 82

OPS SCHEDULE FOR PERIOD

01 JAN 83 THRU 31 DEC 83

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ROS NRL

DEP: 29 JUL 82 CHEATHAM ANNEX, VA REDUCED OPERATIONAL STATUS (ROS)
ARR: 30 SEP 83 CHEATHAM ANNEX, VA NO CRUISES SCHEDULED FOR FY83 429
AREA INDEX: NA6

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POINT OF CONTACT INFORMATION

| | |
|---|---|
| SHIP NAME: | ERLINE |
| NAME: | OFFICER IN CHARGE |
| OFFICE: | |
| ORGANIZATION: | TUDOR HILL LABORATORY |
| ADDRESS: | FLEET POST OFFICE |
| CITY-STATE: | NEW YORK NY 09560 |
| FTS PREFIX: | 809 |
| COMMERCIAL AREA CODE: | 809 |
| PHONE: | 294-0170 |

SHIP DIMENSIONS

| | |
|---|---|
| LENGTH: | 100.0 FEET |
| MAX BEAM: | 20.0 FEET |
| DISPLACEMENT: | 120 TONS |
| DRAUGHT: | 5.5 FEET |
| CRUISE SPEED: | 10.0 KNOTS |
| RANGE: | 1200 NAUTICAL MILES |

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ERLINE LAST CHANGED 15 DEC 82

OPS SCHEDULE FOR PERIOD
01 JAN 83 THRU 31 DEC 83

OUT OF SERVICE

DEP: 06 DEC 82 EAST COAST YARD OVERHAUL
ARR: 21 JAN 83 EAST COAST YARD 46
AREA INDEX: NA6

DEP: 22 JAN 83 EAST COAST YARD TRANSIT TO BERMUDA
ARR: 25 JAN 83 BERMUDA 3
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH MAYER NUSC

DEP: 26 JAN 83 BERMUDA A3
ARR: 31 JAN 83 BERMUDA 5

AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH COTILLA NADC

DEP: 01 FEB 83 BERMUDA LCS
ARR: 05 FEB 83 BERMUDA 4
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH LABARGE NADC

DEP: 15 FEB 83 BERMUDA HLA
ARR: 26 FEB 83 BERMUDA 11
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH SORRENTINO NUSC

DEP: 04 APR 83 BERMUDA MINOS
ARR: 08 APR 83 BERMUDA 4
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH COTILLA NADC

DEP: 17 APR 83 BERMUDA LCS
ARR: 21 APR 83 BERMUDA 4
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH MAYER NUSC

DEP: 22 APR 83 BERMUDA A3
ARR: 22 APR 83 BERMUDA 0
AREA INDEX: NA6

DEP: 25 APR 83 BERMUDA A3
ARR: 28 APR 83 BERMUDA 3
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH MAYER NAVSEA

DEP: 02 MAY 83 BERMUDA BROADBAND
ARR: 04 MAY 83 BERMUDA 2
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH COTILLA NADC

DEP: 05 MAY 83 BERMUDA RECCE
ARR: 09 MAY 83 BERMUDA 4
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH SORRENTINO NUSC

DEP: 24 MAY 83 BERMUDA MINOS
ARR: 26 MAY 83 BERMUDA 2
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH COTILLA NADC

DEP: 27 MAY 83 BERMUDA RECCE
ARR: 31 MAY 83 BERMUDA 4
AREA INDEX: NA6

DEP: 23 JUN 83 BERMUDA RECCE
ARR: 30 JUN 83 BERMUDA 7
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH BOLLARD NADC

DEP: 01 JUL 83 BERMUDA BBD
ARR: 10 JUL 83 BERMUDA 9
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH COTILLA NADC

DEP: 21 JUL 83 BERMUDA VLAD
ARR: 27 JUL 83 BERMUDA 6
AREA INDEX: NA6

DEP: 28 JUL 83 BERMUDA LCS
ARR: 31 JUL 83 BERMUDA 3
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH SORRENTINO NUSC

DEP: 08 AUG 83 BERMUDA MINOS
ARR: 13 AUG 83 BERMUDA 5
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH NUSC

DEP: 15 AUG 83 BERMUDA TRANSIT TO NEW LONDON
ARR: 17 AUG 83 NEW LONDON, CT 2
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH MAYER NUSC

DEP: 18 AUG 83 NEW LONDON, CT A3
ARR: 23 AUG 83 NEW LONDON, CT 5
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH NUSC

DEP: 24 AUG 83 NEW LONDON, CT TRANSIT TO BERMUDA
ARR: 26 AUG 83 BERMUDA 2
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH MAYER NUSC

DEP: 30 AUG 83 BERMUDA A3
ARR: 07 SEP 83 BERMUDA 8
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH SNISCAK NADC

DEP: 11 SEP 83 BERMUDA MRS
ARR: 15 SEP 83 BERMUDA 4
AREA INDEX: NA6

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POINT OF CONTACT INFORMATION

| | |
|---|---|
| SHIP NAME: | USCGC EVERGREEN |
| NAME: | DIRECTOR |
| OFFICE: | MARINE SCIENCE & ICE OPS DIV. |
| ORGANIZATION: | COMMANDANT G-OIO, USCG |
| ADDRESS: | 2100 SECOND STREET, SW |
| CITY-STATE: | WASHINGTON DC 20593 |
| FTS PREFIX: | 202 |
| COMMERCIAL AREA CODE: | 202 |
| PHONE: | 426-1881 |

SHIP DIMENSIONS

| | |
|---|---|
| LENGTH: | 179.8 FEET |
| MAX BEAM: | 37.1 FEET |
| DISPLACEMENT: | 984 TONS |
| DRAUGHT: | 12.7 FEET |
| CRUISE SPEED: | 9.4 KNOTS |
| RANGE: | 12000 NAUTICAL MILES |

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USCGC EVERGREEN LAST CHANGED 14 DEC 82

OPS SCHEDULE FOR PERIOD
01 JAN 83 THRU 31 DEC 83

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OCEANOGRAPHIC RESEARCH CGOCEANO

DEP: 01 JAN 83 NEW LONDON, CT NO OCEANOGRAPHIC OPERATIONS SCHEDUL
ARR: 31 DEC 83 NEW LONDON, CT CALL POC FOR AVAILABILITY 365
AREA INDEX: NA6
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POINT OF CONTACT INFORMATION

| | |
|---|---|
| SHIP NAME: | HERO |
| NAME: | ALBERT BETZEL |
| OFFICE: | OCEAN PROJECTS MANAGER OFFICE OF POLAR PR |
| ORGANIZATION: | NATIONAL SCIENCE FOUNDATION |
| ADDRESS: | 1800 G ST. NW |
| CITY-STATE: | WASHINGTON DC 20550 |
| AUTOVON PREFIX: | 294 |
| FTS PREFIX: | 357 |
| COMMERCIAL AREA CODE: | 202 |
| PHONE: | 357-7808 |

SHIP DIMENSIONS

| | |
|---|---|
| LENGTH: | 125.0 FEET |
| MAX BEAM: | 30.3 FEET |
| DISPLACEMENT: | 640 TONS |
| DRAUGHT: | 16.4 FEET |
| CRUISE SPEED: | 10.0 KNOTS |
| RANGE: | 5000 NAUTICAL MILES |

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HERO LAST CHANGED 15 NOV 82

OPS SCHEDULE FOR PERIOD
01 JAN 83 THRU 31 DEC 83

OCEANOGRAPHIC RESEARCH NSF

DEP: 18 DEC 82 PUNTA ARENAS, CH CRUISE 83-2 OPERATIONS IN THE ANTAR
ARR: 22 FEB 83 PUNTA ARENAS, CH PENINSULA AREA 67
AREA INDEX: SP9A SA5A AN9

DEP: 25 FEB 83 PUNTA ARENAS, CH CRUISE 83-3 OPERATIONS IN THE ANTAR
ARR: 20 APR 83 PUNTA ARENAS, CH PENINSULA AREA 55
AREA INDEX: SP9A SA5A AN9

OUT OF SERVICE NSF

DEP: 20 APR 83 PUNTA ARENAS, CH UPKEEP PUNTA ARENAS
ARR: 30 MAY 83 PUNTA ARENAS, CH 41
AREA INDEX: SP9A

OCEANOGRAPHIC RESEARCH NSF

DEP: 28 OCT 83 PUNTA ARENAS, CH CRUISE 83-6 OPERATIONS IN THE ANTAR
ARR: 18 NOV 83 PUNTA ARENAS, CH PENINSULA AREA 22
AREA INDEX: SP9A SA5A AN9

DEP: 02 DEC 83 PUNTA ARENAS, CH CRUISE 83-7 OPERATIONS IN THE ANTAR
ARR: 18 DEC 83 PUNTA ARENAS, CH PENINSULA AREA 17
AREA INDEX: SP9A SA5A AN9

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POINT OF CONTACT INFORMATION

| | |
|---|---|
| SHIP NAME: | ALBATROSS IV |
| NAME: | CDR CARL FISHER |
| OFFICE: | CHIEF OPERATIONS DIVISION |
| ORGANIZATION: | NOAA ATLANTIC MARINE CENTER |
| ADDRESS: | 439 WEST YORK STREET |
| CITY-STATE: | NORFOLK VA 23510 |
| FTS PREFIX: | 827 |
| COMMERCIAL AREA CODE: | 804 |
| PHONE: | 441-6206 |

SHIP DIMENSIONS

| | |
|---|---|
| LENGTH: | 187.0 FEET |
| MAX BEAM: | 33.0 FEET |
| DISPLACEMENT: | 1089 TONS |
| DRAUGHT: | 16.2 FEET |
| CRUISE SPEED: | 12.0 KNOTS |
| RANGE: | 4300 NAUTICAL MILES |

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ALBATROSS IV LAST CHANGED 15 OCT 82

OPS SCHEDULE FOR PERIOD
01 JAN 83 THRU 31 DEC 83

| NMFS | | NOAA |
|---|---|---|
| DEP: 22 FEB 83 WOODS HOLE<br>ARR: 04 MAR 83 WOODS HOLE<br>AREA INDEX: NA6 | MACKEREL ACOUSTICS | 10 |
| DEP: 07 MAR 83 WOODS HOLE<br>ARR: 25 MAR 83 WOODS HOLE<br>AREA INDEX: NA6 | SPRING TRAWL & MARMAP I | 18 |
| DEP: 28 MAR 83 WOODS HOLE<br>ARR: 08 APR 83 WOODS HOLE<br>AREA INDEX: NA6 | SPRING TRAWL & MARMAP I | 11 |
| DEP: 11 APR 83 WOODS HOLE<br>ARR: 22 APR 83 WOODS HOLE<br>AREA INDEX: NA6 | SPRING TRAWL & MARMAP I | 11 |
| DEP: 25 APR 83 WOODS HOLE<br>ARR: 06 MAY 83 WOODS HOLE<br>AREA INDEX: NA6 | SPRING TRAWL & MARMAP I | 11 |
| DEP: 09 MAY 83 WOODS HOLE<br>ARR: 20 MAY 83 WOODS HOLE<br>AREA INDEX: NA6 | LARVAL DYNMS | 11 |
| DEP: 23 MAY 83 WOODS HOLE<br>ARR: 03 JUN 83 WOODS HOLE<br>AREA INDEX: NA6 | OCEAN PULSE & MARMAP I | 11 |
| DEP: 06 JUN 83 WOODS HOLE<br>ARR: 18 JUN 83 WOODS HOLE<br>AREA INDEX: NA6 | OCEAN PULSE & MARMAP I | 12 |
| DEP: 27 JUN 83 WOODS HOLE<br>ARR: 08 JUL 83 WOODS HOLE<br>AREA INDEX: NA6 | OCEAN PULSE & MARMAP I | 11 |

| | | |
|---|---|---|
| DEP: 11 JUL 83 WOODS HOLE<br>ARR: 22 JUL 83 WOODS HOLE<br>AREA INDEX: NA6 | OCEAN PULSE & MARMAP I | 11 |
| DEP: 26 JUL 83 WOODS HOLE<br>ARR: 05 AUG 83 WOODS HOLE<br>AREA INDEX: NA6 | OCEAN PULSE & MARMAP I | 10 |
| DEP: 08 AUG 83 WOODS HOLE<br>ARR: 19 AUG 83 WOODS HOLE<br>AREA INDEX: NA6 | SCALLOP/OCEAN PULSE | 11 |
| DEP: 22 AUG 83 WOODS HOLE<br>ARR: 02 SEP 83 WOODS HOLE<br>AREA INDEX: NA6 | SCALLOP /OCEAN PULSE | 11 |
| DEP: 12 SEP 83 WOODS HOLE<br>ARR: 30 SEP 83 WOODS HOLE<br>AREA INDEX: NA6 | FALL TRAWL/MARMAP | 18 |

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POINT OF CONTACT INFORMATION

| | |
|---|---|
| SHIP NAME: | CHAPMAN |
| NAME: | CDR FREDDIE JEFFRIES |
| OFFICE: | CHIEF OPERATIONS DIVISION |
| ORGANIZATION: | NOAA PACIFIC MARINE CENTER |
| ADDRESS: | 1801 FAIRVIEW AVENUE E |
| CITY-STATE: | SEATTLE WA 98102 |
| FTS PREFIX: | 399 |
| COMMERCIAL AREA CODE: | 206 |
| PHONE: | 442-4548 |

SHIP DIMENSIONS

| | |
|---|---|
| LENGTH: | 127.0 FEET |
| MAX BEAM: | 29.6 FEET |
| DISPLACEMENT: | 520 TONS |
| DRAUGHT: | 14.0 FEET |
| CRUISE SPEED: | 11.0 KNOTS |
| RANGE: | 6000 NAUTICAL MILES |

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CHAPMAN LAST CHANGED 03 DEC 82

OPS SCHEDULE FOR PERIOD
01 JAN 83 THRU 31 DEC 83

ERL/NMFS NOAA

DEP: 22 FEB 83 PMC — SHELIKOF POLLOCK
ARR: 01 MAR 83 KODIAK — CH-83-01 — 7
AREA INDEX: NP9 NP6

DEP: 03 MAR 83 KODIAK — SHELIKOF POLLOCK
ARR: 21 MAR 83 KODIAK — CH-83-01 — 18
AREA INDEX: NP6

DEP: 23 MAR 83 KODIAK — SHELIKOF POLLOCK
ARR: 10 APR 83 KODIAK — CH 83 01 — 18
AREA INDEX: NP6

DEP: 11 APR 83 KODIAK — SHELIKOF
ARR: 17 APR 83 PMC — CH 83 01 — 6
AREA INDEX: NP6 NP9

DEP: 09 MAY 83 PMC — TRANSIT
ARR: 16 MAY 83 KODIAK — CH 83 02 — 7
AREA INDEX: NP9 NP6

DEP: 18 MAY 83 KODIAK — SHELIKOF FISH
ARR: 31 MAY 83 KODIAK — CH 83 02 — 13
AREA INDEX: NP6

DEP: 02 JUN 83 KODIAK — BERING SEA-CRAB
ARR: 20 JUN 83 DUTCH HARBOR — CH 83 02 — 18
AREA INDEX: NP6 NP5 NP6

DEP: 22 JUN 83 DUTCH HARBOR — BERING-SEA-CRAB
ARR: 10 JUL 83 DUTCH HARBOR — CH 83 02 — 18
AREA INDEX: NP5 NP6

DEP: 12 JUL 83 DUTCH HARBOR — BERING SEA-CRAB
ARR: 30 JUL 83 DUTCH HARBOR — CH 83 02 — 18
AREA INDEX: NP5 NP6

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POINT OF CONTACT INFORMATION

| | |
|---|---|
| SHIP NAME: | JOHN N COBB |
| NAME: | CDR FREDDIE JEFFRIES |
| OFFICE: | CHIEF OPERATIONS DIVISION |
| ORGANIZATION: | NOAA PACIFIC MARINE CENTER |
| ADDRESS: | 1801 FAIRVIEW AVENUE E |
| CITY-STATE: | SEATTLE WA 98102 |
| FTS PREFIX: | 399 |
| COMMERCIAL AREA CODE: | 206 |
| PHONE: | 442-4548 |

SHIP DIMENSIONS

| | |
|---|---|
| LENGTH: | 93.0 FEET |
| MAX BEAM: | 26.0 FEET |
| DISPLACEMENT: | 250 TONS |
| DRAUGHT: | 11.0 FEET |
| CRUISE SPEED: | 9.3 KNOTS |
| RANGE: | 2900 NAUTICAL MILES |

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JOHN N COBB LAST CHANGED 16 DEC 82

OPS SCHEDULE FOR PERIOD
01 JAN 83 THRU 31 DEC 83

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NMFS NOAA

DEP: 01 JAN 83 SEATTLE, WA SCHEDULE NOT RECEIVED.
ARR: 31 DEC 83 SEATTLE, WA CALL POC FOR DETAILS. 365
AREA INDEX: NP9

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POINT OF CONTACT INFORMATION

| | |
|---|---|
| SHIP NAME: | TOWNSEND CROMWELL |
| NAME: | CDR FREDDIE JEFFRIES |
| OFFICE: | CHIEF OPERATIONS DIVISION |
| ORGANIZATION: | NOAA PACIFIC MARINE CENTER |
| ADDRESS: | 1801 FAIRVIEW AVENUE E |
| CITY-STATE: | SEATTLE WA 98102 |
| FTS PREFIX: | 399 |
| COMMERCIAL AREA CODE: | 206 |
| PHONE: | 442-4548 |

SHIP DIMENSIONS

| | |
|---|---|
| LENGTH: | 163.0 FEET |
| MAX BEAM: | 33.0 FEET |
| DISPLACEMENT: | 652 TONS |
| DRAUGHT: | 12.7 FEET |
| CRUISE SPEED: | 11.5 KNOTS |
| RANGE: | 8300 NAUTICAL MILES |

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TOWNSEND CROMWELL LAST CHANGED 03 DEC 82

OPS SCHEDULE FOR PERIOD
01 JAN 83 THRU 31 DEC 83

NMFS NOAA

DEP: 04 JAN 83 HONOLULU HI SQUID
ARR: 07 JAN 83 HONOLULU HI TC 83 01 3
AREA INDEX: NP12

DEP: 10 JAN 83 HONOLULU SQUID TRANSIT
ARR: 25 JAN 83 SAN DIEGO TC 83 01 15
AREA INDEX: NP12 NP9

DEP: 27 JAN 83 SAN DIEGO CAL COFI
ARR: 17 FEB 83 SAN DIEGO TC 83 02 21
AREA INDEX: NP9

DEP: 21 FEB 83 SAN DIEGO CAL COFI
ARR: 14 MAR 83 SAN DIEGO TC 83 02 21
AREA INDEX: NP9

DEP: 16 MAR 83 SAN DIEGO CAL COFI
ARR: 23 MAR 83 SAN DIEGO TC 83 02 7
AREA INDEX: NP9

DEP: 28 MAR 83 SAN DIEGO CAL COFI
ARR: 10 APR 83 SAN DIEGO TC 83-02 13
AREA INDEX: NP9

DEP: 14 APR 83 SAN DIEGO CAL COFI
ARR: 24 APR 83 HONOLULU TC 83 02 10
AREA INDEX: NP9 NP12

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POINT OF CONTACT INFORMATION

| | |
|---|---|
| SHIP NAME: | DAVIDSON |
| NAME: | CDR FREDDIE JEFFRIES |
| OFFICE: | CHIEF OPERATIONS DIVISION |
| ORGANIZATION: | NOAA PACIFIC MARINE CENTER |
| ADDRESS: | 1801 FAIRVIEW AVENUE E |
| CITY-STATE: | SEATTLE WA 98102 |
| FTS PREFIX: | 399 |
| COMMERCIAL AREA CODE: | 206 |
| PHONE: | 442-4548 |

SHIP DIMENSIONS

| | |
|---|---|
| LENGTH: | 175.0 FEET |
| MAX BEAM: | 38.0 FEET |
| DISPLACEMENT: | 995 TONS |
| DRAUGHT: | 13.3 FEET |
| CRUISE SPEED: | 12.0 KNOTS |
| RANGE: | 6000 NAUTICAL MILES |

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DAVIDSON LAST CHANGED 16 DEC 82

OPS SCHEDULE FOR PERIOD
01 JAN 83 THRU 31 DEC 83

NOS NOAA

DEP: 22 FEB 83 PMC BANGOR
ARR: 03 MAR 83 TBA 9
AREA INDEX: NP9

DEP: 07 MAR 83 TBA BANGOR
ARR: 17 MAR 83 TBA 11
AREA INDEX: NP9

DEP: 21 MAR 83 TBA TRANSIT
ARR: 23 MAR 83 PMC 2
AREA INDEX: NP9

DEP: 05 APR 83 PMC SEYMOUR CANAL
ARR: 15 APR 83 JUNEAU 10
AREA INDEX: NP9 NP6

DEP: 19 APR 83 JUNEAU SEYMOUR CANAL
ARR: 29 APR 83 JUNEAU 10
AREA INDEX: NP6

DEP: 03 MAY 83 JUNEAU KELP BAY
ARR: 13 MAY 83 JUNEAU 10
AREA INDEX: NP6

DEP: 17 MAY 83 JUNEAU CAPE ST ELIAS
ARR: 27 MAY 83 CORDOVA 10
AREA INDEX: NP6

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POINT OF CONTACT INFORMATION

| | |
|---|---|
| SHIP NAME: | DELAWARE II |
| NAME: | CDR CARL FISHER |
| OFFICE: | CHIEF OPERATION DIVISION |
| ORGANIZATION: | NOAA ATLANTIC MARINE CENTER |
| ADDRESS: | 439 WEST YORK STREET |
| CITY-STATE: | NORFOLK VA 23510 |
| FTS PREFIX: | 827 |
| COMMERCIAL AREA CODE: | 804 |
| PHONE: | 441-6206 |

SHIP DIMENSIONS

| | |
|---|---|
| LENGTH: | 155.0 FEET |
| MAX BEAM: | 30.1 FEET |
| DISPLACEMENT: | 758 TONS |
| DRAUGHT: | 14.7 FEET |
| CRUISE SPEED: | 11.5 KNOTS |
| RANGE: | 6600 NAUTICAL MILES |

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DELAWARE II — LAST CHANGED 22 NOV 82

OPS SCHEDULE FOR PERIOD
01 JAN 83 THRU 31 DEC 83

| NMFS | | NOAA |
|---|---|---|
| DEP: 17 JAN 83 WOODS HOLE<br>ARR: 28 JAN 83 WOODS HOLE<br>AREA INDEX: NA6 | MARMAP I | 11 |
| DEP: 31 JAN 83 WOODS HOLE<br>ARR: 11 FEB 83 WOODS HOLE<br>AREA INDEX: NA6 | MARMAP II | 11 |
| DEP: 14 FEB 83 WOODS HOLE<br>ARR: 25 FEB 83 WOODS HOLE<br>AREA INDEX: NA6 | MARMAP III | 11 |
| DEP: 28 FEB 83 WOODS HOLE<br>ARR: 09 MAR 83 WOODS HOLE<br>AREA INDEX: NA6 | HERRING-ACOUSTIC | 9 |
| DEP: 15 MAR 83 WOODS HOLE<br>ARR: 15 APR 83 TBA<br>AREA INDEX: NA6 | N GLF MEX / SEFC | 31 |
| DEP: 21 APR 83 TBA<br>ARR: 25 MAY 83 TBA<br>AREA INDEX: | SEFC/ FLA-NC | 34 |
| DEP: 31 MAY 83 TBA<br>ARR: 08 JUL 83 WOODS HOLE<br>AREA INDEX: NA6 | REEF FISH/PR & VIRGIN ISLDS. | 38 |
| DEP: 10 JUL 83 WOODS HOLE<br>ARR: 15 AUG 83 WOODS HOLE<br>AREA INDEX: NA6 | REPAIRS | 36 |
| DEP: 17 AUG 83 WOODS HOLE<br>ARR: 26 AUG 83 WOODS HOLE<br>AREA INDEX: NA6 | CLAM-OCEAN QUAHOG | 9 |
| DEP: 29 AUG 83 WOODS HOLE<br>ARR: 09 SEP 83 WOODS HOLE<br>AREA INDEX: NA6 | CLAM-OCEAN QUAHOG | 11 |
| DEP: 13 SEP 83 WOODS HOLE<br>ARR: 28 SEP 83 WOODS HOLE<br>AREA INDEX: NA6 | CLAM-OCEAN QUAHOG | 15 |

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POINT OF CONTACT INFORMATION

| | |
|---|---|
| SHIP NAME: | DISCOVERER |
| NAME: | CDR FREDDIE JEFFRIES |
| OFFICE: | CHIEF OPERATIONS DIVISION |
| ORGANIZATION: | NOAA PACIFIC MARINE CENTER |
| ADDRESS: | 1801 FAIRVIEW AVENUE E |
| CITY-STATE: | SEATTLE WA 98102 |
| FTS PREFIX: | 399 |
| COMMERCIAL AREA CODE: | 206 |
| PHONE: | 442-4548 |

SHIP DIMENSIONS

| | |
|---|---|
| LENGTH: | 303.0 FEET |
| MAX BEAM: | 52.0 FEET |
| DISPLACEMENT: | 4033 TONS |
| DRAUGHT: | 19.8 FEET |
| CRUISE SPEED: | 15.0 KNOTS |
| RANGE: | 12250 NAUTICAL MILES |

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DISCOVERER LAST CHANGED 03 DEC 82

OPS SCHEDULE FOR PERIOD
01 JAN 83 THRU 31 DEC 83

ERL NOAA

DEP: 27 JAN 83 SEATTLE MIZEX
ARR: 27 FEB 83 DUTCH HARBOR 31
AREA INDEX: NP9 NP5 NP6

DEP: 28 FEB 83 DUTCH HARBOR CO2 ACID RAIN
ARR: 28 MAR 83 HONOLULU 28
AREA INDEX: NP5 NP6 NP12

DEP: 05 APR 83 HONOLULU CO2 ACID RAIN
ARR: 24 APR 83 SAN DIEGO 19
AREA INDEX: NP12 NP9

DEP: 29 APR 83 SAN DIEGO CO2 ACID RAIN
ARR: 18 MAY 83 SEATTLE 19
AREA INDEX: NP9

DEP: 31 MAY 83 SEATTLE PMS WA COAST
ARR: 20 JUN 83 SEATTLE 20
AREA INDEX: NP9

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POINT OF CONTACT INFORMATION

| | |
|---|---|
| SHIP NAME: | FAIRWEATHER |
| NAME: | CDR FREDDIE JEFFRIES |
| OFFICE: | CHIEF OPERATIONS DIVISION |
| ORGANIZATION: | NOAA PACIFIC MARINE CENTER |
| ADDRESS: | 1801 FAIRVIEW AVENUE E |
| CITY-STATE: | SEATTLE WA 98102 |
| FTS PREFIX: | 399 |
| COMMERCIAL AREA CODE: | 206 |
| PHONE: | 442-4548 |

SHIP DIMENSIONS

| | |
|---|---|
| LENGTH: | 231.0 FEET |
| MAX BEAM: | 42.0 FEET |
| DISPLACEMENT: | 1800 TONS |
| DRAUGHT: | 14.3 FEET |
| CRUISE SPEED: | 13.0 KNOTS |
| RANGE: | 7000 NAUTICAL MILES |

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FAIRWEATHER LAST CHANGED 03 DEC 82

OPS SCHEDULE FOR PERIOD
01 JAN 83 THRU 31 DEC 83

NOS NOAA

DEP: 19 APR 83 PMC S.E. ALASKA
ARR: 29 APR 83 JUNEAU 10
AREA INDEX: NP9 NP6

DEP: 03 MAY 83 JUNEAU S.E. ALASKA
ARR: 13 MAY 83 JUNEAU 10
AREA INDEX: NP6

DEP: 17 MAY 83 JUNEAU AK PENINSULA
ARR: 27 MAY 83 KODIAK 10
AREA INDEX: NP6

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POINT OF CONTACT INFORMATION

| | |
|---|---|
| SHIP NAME: | FERREL |
| NAME: | CDR CARL FISHER |
| OFFICE: | CHIEF OPERATIONS DIVISION |
| ORGANIZATION: | NOAA ATLANTIC MARINE CENTER |
| ADDRESS: | 439 WEST YORK STREET |
| CITY-STATE: | NORFORK VA 23510 |
| FTS PREFIX: | 827 |
| COMMERCIAL AREA CODE: | 804 |
| PHONE: | 441-6206 |

SHIP DIMENSIONS

| | |
|---|---|
| LENGTH: | 133.0 FEET |
| MAX BEAM: | 32.0 FEET |
| DISPLACEMENT: | 360 TONS |
| DRAUGHT: | 8.0 FEET |
| CRUISE SPEED: | 10.0 KNOTS |
| RANGE: | 2200 NAUTICAL MILES |

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FERREL LAST CHANGED 25 OCT 82

OPS SCHEDULE FOR PERIOD
01 JAN 83 THRU 31 DEC 83

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NOS NOAA

DEP: 15 FEB 83 NORFOLK CIRC SURVEY CHES BAY
ARR: 30 SEP 83 NORFOLK 150 DAS 227
AREA INDEX: NA6

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POINT OF CONTACT INFORMATION

| | |
|---|---|
| SHIP NAME: | MILLER FREEMAN |
| NAME: | CDR FREDDIE JEFFRIES |
| OFFICE: | CHIEF OPERATIONS DIVISION |
| ORGANIZATION: | NOAA PACIFIC MARINE CENTER |
| ADDRESS: | 1801 FAIRVIEW AVENUE E |
| CITY-STATE: | SEATTLE WA 98102 |
| FTS PREFIX: | 399 |
| COMMERCIAL AREA CODE: | 206 |
| PHONE: | 442-4548 |

SHIP DIMENSIONS

| | |
|---|---|
| LENGTH: | 215.0 FEET |
| MAX BEAM: | 42.0 FEET |
| DISPLACEMENT: | 1920 TONS |
| DRAUGHT: | 20.0 FEET |
| CRUISE SPEED: | 14.0 KNOTS |
| RANGE: | 13800 NAUTICAL MILES |

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MILLER FREEMAN LAST CHANGED 03 DEC 82

OPS SCHEDULE FOR PERIOD
01 JAN 83 THRU 31 DEC 83

ERL/NMFS NOAA

DEP: 24 JAN 83 PMC SE AK GROUNDFISH
ARR: 08 FEB 83 KODIAK MF 83 01 15
AREA INDEX: NP9 NP6

DEP: 10 FEB 83 KODIAK SHELIKOF POLLOCK
ARR: 28 FEB 83 KODIAK MF 83 01 18
AREA INDEX: NP6

DEP: 02 MAR 83 KODIAK SHELIKOF POLLOCK
ARR: 21 MAR 83 KODIAK MF 83 01 19
AREA INDEX: NP6

DEP: 23 MAR 83 KODIAK SHELIKOF
ARR: 14 APR 83 KODIAK MF 83 01 22
AREA INDEX: NP6

DEP: 18 APR 83 KODIAK OCSEAP
ARR: 07 MAY 83 DUTCH HARBOR MF 83 02 19
AREA INDEX: NP6 NP5 NP6

DEP: 09 MAY 83 DUTCH HARBOR OCSEAP
ARR: 02 JUN 83 DUTCH HARBOR MF 83 02 24
AREA INDEX: NP5 NP6

DEP: 05 JUN 83 DUTCH HARBOR OCSEAP
ARR: 24 JUN 83 PMC M4 83 02 19
AREA INDEX: NP5 NP6 NP9

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POINT OF CONTACT INFORMATION

| | |
|---|---|
| SHIP NAME: | HECK |
| NAME: | CDR CARL FISHER |
| OFFICE: | CHIEF OPERATIONS DIVISION |
| ORGANIZATION: | NOAA ATLANTIC MARINE CENTER |
| ADDRESS: | 439 WEST YORK STREET |
| CITY-STATE: | NORFOLK VA 23510 |
| FTS PREFIX: | 827 |
| COMMERCIAL AREA CODE: | 804 |
| PHONE: | 441-6206 |

SHIP DIMENSIONS

| | |
|---|---|
| LENGTH: | 90.0 FEET |
| MAX BEAM: | 22.0 FEET |
| DISPLACEMENT: | 220 TONS |
| DRAUGHT: | 7.2 FEET |
| CRUISE SPEED: | 10.0 KNOTS |
| RANGE: | 800 NAUTICAL MILES |

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HECK LAST CHANGED 25 OCT 82

OPS SCHEDULE FOR PERIOD
01 JAN 83 THRU 31 DEC 83

NOS NOAA

| | | |
|---|---|---|
| DEP: 14 MAR 83 NORFOLK | ENROUTE | |
| ARR: 18 MAR 83 KEY WEST FL | J6XX | 4 |
| AREA INDEX: NA6 NA9 | | |
| DEP: 21 MAR 83 KEY WEST | WIRE DRAG 75 SEA DAYS | |
| ARR: 01 JUL 83 NORFOLK | J6XX | 102 |
| AREA INDEX: NA9 NA6 | | |
| DEP: 05 JUL 83 NORFOLK | NEW ENGLAND DRAG | |
| ARR: 30 SEP 83 TBA | 70 DAS | 87 |
| AREA INDEX: NA6 | | |

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POINT OF CONTACT INFORMATION

| | |
|---|---|
| SHIP NAME: | DAVID STARR JORDAN |
| NAME: | CDR FREDDIE JEFFRIES |
| OFFICE: | CHIEF OPERATIONS DIVISION |
| ORGANIZATION: | NOAA PACIFIC MARINE CENTER |
| ADDRESS: | 1801 FAIRVIEW AVENUE E |
| CITY-STATE: | SEATTLE WA 98102 |
| FTS PREFIX: | 399 |
| COMMERCIAL AREA CODE: | 206 |
| PHONE: | 442-4548 |

SHIP DIMENSIONS

| | |
|---|---|
| LENGTH: | 171.0 FEET |
| MAX BEAM: | 36.6 FEET |
| DISPLACEMENT: | 993 TONS |
| DRAUGHT: | 12.5 FEET |
| CRUISE SPEED: | 11.5 KNOTS |
| RANGE: | 8560 NAUTICAL MILES |

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DAVID STARR JORDAN LAST CHANGED 03 DEC 82

OPS SCHEDULE FOR PERIOD
01 JAN 83 THRU 31 DEC 83

NMFS NOAA

DEP: 10 JAN 83 SAN DIEGO — PORPOISE SURVEY
ARR: 08 FEB 83 MEXICO — DS 83 01 — 29
AREA INDEX: NP9 NP13

DEP: 11 FEB 83 MEXICO — PORPOISE SURVEY
ARR: 11 MAR 83 PANAMA — DS 83 01 — 28
AREA INDEX: NP13

DEP: 15 MAR 83 PANAMA — PORPOISE SURVEY
ARR: 31 MAR 83 PANAMA — DS 83 01 — 16
AREA INDEX: NP13

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POINT OF CONTACT INFORMATION

| | |
|---|---|
| SHIP NAME: | MCARTHUR |
| NAME: | CDR FREDDIE JEFFRIES |
| OFFICE: | CHIEF OPERATIONS DIVISION |
| ORGANIZATION: | NOAA PACIFIC MARINE CENTER |
| ADDRESS: | 1801 FAIRVIEW AVENUE E |
| CITY-STATE: | SEATTLE WA 98102 |
| FTS PREFIX: | 399 |
| COMMERCIAL AREA CODE: | 206 |
| PHONE: | 442-4548 |

SHIP DIMENSIONS

| | |
|---|---|
| LENGTH: | 175.0 FEET |
| MAX BEAM: | 38.0 FEET |
| DISPLACEMENT: | 995 TONS |
| DRAUGHT: | 12.1 FEET |
| CRUISE SPEED: | 12.0 KNOTS |
| RANGE: | 6000 NAUTICAL MILES |

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MCARTHUR LAST CHANGED 16 DEC 82

OPS SCHEDULE FOR PERIOD
01 JAN 83 THRU 31 DEC 83

NOS NOAA

DEP: 14 MAR 83 SEATTLE LRERP
ARR: 18 MAR 83 SEATTLE 4
AREA INDEX: NP9

DEP: 23 MAR 83 SEATTLE LRERP
ARR: 25 MAR 83 SEATTLE 2
AREA INDEX: NP9

DEP: 12 APR 83 SEATTLE LRERP
ARR: 29 APR 83 SEATTLE 17
AREA INDEX: NP9

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POINT OF CONTACT INFORMATION

| | |
|---|---|
| SHIP NAME: | MT MITCHELL |
| NAME: | CDR CARL FISHER |
| OFFICE: | CHIEF OPERATIONS DIVISION |
| ORGANIZATION: | NOAA ATLANTIC MARINE CENTER |
| ADDRESS: | 439 WEST YORK STREET |
| CITY-STATE: | NORFOLK VA 23510 |
| FTS PREFIX: | 827 |
| COMMERCIAL AREA CODE: | 804 |
| PHONE: | 441-6206 |

SHIP DIMENSIONS

| | |
|---|---|
| LENGTH: | 231.0 FEET |
| MAX BEAM: | 42.0 FEET |
| DISPLACEMENT: | 1800 TONS |
| DRAUGHT: | 14.3 FEET |
| CRUISE SPEED: | 13.0 KNOTS |
| RANGE: | 7000 NAUTICAL MILES |

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MT MITCHELL LAST CHANGED 25 OCT 82

OPS SCHEDULE FOR PERIOD
01 JAN 83 THRU 31 DEC 83

NOS NOAA

DEP: 09 FEB 83 NORFOLK HYDRO PUERTO RICO
ARR: 18 FEB 83 SAN JUAN OPR 1149 9
AREA INDEX: NA6 NA9

DEP: 22 FEB 83 SAN JUAN HYDRO PUERTO RICO
ARR: 04 MAR 83 SAN JUAN OPR 1149 10
AREA INDEX: NA9

DEP: 08 MAR 83 SAN JUAN HYDRO PUERTO RICO
ARR: 18 MAR 83 SAN JUAN OPR 1149 10
AREA INDEX: NA9

DEP: 22 MAR 83 SAN JUAN HYDRO PUERTO RICO
ARR: 01 APR 83 SAN JUAN OPR 1149 10
AREA INDEX: NA9

DEP: 05 APR 83 SAN JUAN HYDRO PUERTO RICO
ARR: 15 APR 83 SAN JUAN OPR 1149 10
AREA INDEX: NA9

DEP: 18 APR 83 SAN JUAN TRANSIT
ARR: 22 APR 83 NORFOLK 4
AREA INDEX: NA9 NA6

DEP: 10 MAY 83 NORFOLK
ARR: 20 MAY 83 SEARSPORT AIXX 10
AREA INDEX: NA6

DEP: 24 MAY 83 SEARSPORT ME
ARR: 03 JUN 83 SEARSPORT ME AIXX 10
AREA INDEX: NA6

DEP: 07 JUN 83 SEARSPORT ME
ARR: 17 JUN 83 SEARSPORT ME AIXX 10
AREA INDEX: NA6

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DEP: 21 JUN 83 SEARSPORT ME
ARR: 01 JUL 83 SEARSPORT ME              AIXX                          10
AREA INDEX: NA6

DEP: 06 JUL 83 SEARSPORT ME
ARR: 15 JUL 83 SEARSPORT ME              AIXX                           9
AREA INDEX: NA6

DEP: 19 JUL 83 SEARSPORT ME
ARR: 29 JUL 83 SEARSPORT ME              AIXX                          10
AREA INDEX: NA6

DEP: 02 AUG 83 SEARSPORT ME
ARR: 12 AUG 83 SEARSPORT ME              AIXX                          10
AREA INDEX: NA6

DEP: 16 AUG 83 SEARSPORT ME
ARR: 26 AUG 83 SEARSPORT ME              AIXX                          10
AREA INDEX: NA6

DEP: 29 AUG 83 SEARSPORT ME
ARR: 02 SEP 83 SEARSPORT ME              AIXX                           4
AREA INDEX: NA6

DEP: 07 SEP 83 SEARSPORT ME
ARR: 16 SEP 83 NORFOLK                   AIXX                           9
AREA INDEX: NA6

DEP: 22 SEP 83 NORFOLK                   NEMP
ARR: 30 SEP 83 NORFOLK                                                  8
AREA INDEX: NA6
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POINT OF CONTACT INFORMATION

| | |
|---|---|
| SHIP NAME: | MURRE II |
| NAME: | CDR FREDDIE JEFFRIES |
| OFFICE: | CHIEF OPERATIONS DIVISION |
| ORGANIZATION: | NOAA PACIFIC MARINE CENTER |
| ADDRESS: | 1801 FAIRVIEW AVENUE E |
| CITY-STATE: | SEATTLE WA 98102 |
| FTS PREFIX: | 399 |
| COMMERCIAL AREA CODE: | 206 |
| PHONE: | 442-4548 |

SHIP DIMENSIONS

| | |
|---|---|
| LENGTH: | 86.0 FEET |
| MAX BEAM: | 26.8 FEET |
| DISPLACEMENT: | 295 TONS |
| DRAUGHT: | 7.5 FEET |
| CRUISE SPEED: | 8.0 KNOTS |
| RANGE: | 1500 NAUTICAL MILES |

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MURRE II LAST CHANGED 03 AUG 82

OPS SCHEDULE FOR PERIOD
01 JAN 83 THRU 31 DEC 83

NMFS NOAA

DEP: 01 MAR 83 JUNEAU LPW SUPPLY
ARR: 04 MAR 83 JUNEAU MU 83 01 3
AREA INDEX: NP6

DEP: 21 MAR 83 JUNEAU LOGGING EFFECTS
ARR: 30 MAR 83 JUNEAU MU 83 02 9
AREA INDEX: NP6

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POINT OF CONTACT INFORMATION

| | |
|---|---|
| SHIP NAME: | OCEANOGRAPHER |
| NAME: | CDR FREDDIE JEFFRIES |
| OFFICE: | CHIEF OPERATIONS DIVISION |
| ORGANIZATION: | NOAA PACIFIC MARINE CENTER |
| ADDRESS: | 1801 FAIRVIEW AVENUE E |
| CITY-STATE: | SEATTLE WA 98102 |
| FTS PREFIX: | 399 |
| COMMERCIAL AREA CODE: | 206 |
| PHONE: | 442-4548 |

SHIP DIMENSIONS

| | |
|---|---|
| LENGTH: | 303.0 FEET |
| MAX BEAM: | 52.0 FEET |
| DISPLACEMENT: | 4033 TONS |
| DRAUGHT: | 19.8 FEET |
| CRUISE SPEED: | 15.0 KNOTS |
| RANGE: | 12250 NAUTICAL MILES |

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OCEANOGRAPHER LAST CHANGED 22 NOV 82

OPS SCHEDULE FOR PERIOD
01 JAN 83 THRU 31 DEC 83

OUT OF SERVCIE NOAA

DEP: 01 JAN 83 PMC, SEATTLE DEACTIVATED 8 FEB 1982
ARR: 31 DEC 83 PMC, SEATTLE 365
AREA INDEX: NP9

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POINT OF CONTACT INFORMATION

| | |
|---|---|
| SHIP NAME: | OREGON II |
| NAME: | CDR CARL FISHER |
| OFFICE: | CHIEF OPERATION DIVISION |
| ORGANIZATION: | NOAA ATLANTIC MARINE CENTER |
| ADDRESS: | 439 WEST YORK STREET |
| CITY-STATE: | NORFOLK VA 23510 |
| FTS PREFIX: | 827 |
| COMMERCIAL AREA CODE: | 804 |
| PHONE: | 441-6206 |

SHIP DIMENSIONS

| | |
|---|---|
| LENGTH: | 170.0 FEET |
| MAX BEAM: | 34.0 FEET |
| DISPLACEMENT: | 952 TONS |
| DRAUGHT: | 14.0 FEET |
| CRUISE SPEED: | 12.0 KNOTS |
| RANGE: | 9500 NAUTICAL MILES |

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OREGON II LAST CHANGED 20 JUL 82

OPS SCHEDULE FOR PERIOD
01 JAN 83 THRU 31 DEC 83

NMFS NOAA

DEP: 06 JAN 83 PASCAGOULA — OCEAN PELAGICS - 36 DASS
ARR: 11 FEB 83 PASCAGOULA — 83-01 — 36
AREA INDEX: NA9

DEP: 14 FEB 83 PASCAGOULA — DOCKSIDE REPAIRS
ARR: 04 MAR 83 PASCAGOULA — 18
AREA INDEX: NA9

DEP: 08 MAR 83 PASCAGOULA — SPRING SEAMAP - 33 DAS
ARR: 13 APR 83 PASCAGOULA — 83-02(133) — 36
AREA INDEX: NA9

DEP: 21 APR 83 PASCAGOULA — SEAMAP - 33 DAS
ARR: 24 MAY 83 PASCAGOULA — 83-03(134) — 33
AREA INDEX: NA9

DEP: 01 JUN 83 PASCAGOULA — SUMMER SEAMAP - 45 DAS
ARR: 16 JUL 83 PASCAGOULA — 83-04(135) — 45
AREA INDEX: NA9

DEP: 02 AUG 83 PASCAGOULA — REEF FISH - 22 DAS
ARR: 26 AUG 83 PASCAGOULA — 83-05(136) — 24
AREA INDEX: NA9

DEP: 06 SEP 83 PASCAGOULA — GEAR DVLMNT - 14 DAS
ARR: 21 SEP 83 PASCAGOULA — 83-06)(137) — 15
AREA INDEX: NA9

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POINT OF CONTACT INFORMATION

| | |
|---|---|
| SHIP NAME: | PEIRCE |
| NAME: | CDR CARL FISHER |
| OFFICE: | CHIEF OPERATION DIVISION |
| ORGANIZATION: | NOAA ATLANTIC MARINE CENTER |
| ADDRESS: | 439 WEST YORK STREET |
| CITY-STATE: | NORFOLK VA 23510 |
| FTS PREFIX: | 827 |
| COMMERCIAL AREA CODE: | 804 |
| PHONE: | 441-6206 |

SHIP DIMENSIONS

| | |
|---|---|
| LENGTH: | 163.0 FEET |
| MAX BEAM: | 33.0 FEET |
| DISPLACEMENT: | 907 TONS |
| DRAUGHT: | 11.2 FEET |
| CRUISE SPEED: | 12.0 KNOTS |
| RANGE: | 5700 NAUTICAL MILES |

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PEIRCE LAST CHANGED 25 OCT 82

OPS SCHEDULE FOR PERIOD
01 JAN 83 THRU 31 DEC 83

NOS NOAA

DEP: 01 MAR 83 NORFOLK HYDRO DELAVARE BAY
ARR: 10 MAR 83 CAPE MAY 9
AREA INDEX: NA6

DEP: 14 MAR 83 CAPE MAY HYDRO DELAWARE BAY
ARR: 24 MAR 83 CAPE MAY 10
AREA INDEX: NA6

DEP: 28 MAR 83 CAPE MAY HYDRO DELAWARE BAY
ARR: 07 APR 83 CAPE MAY 10
AREA INDEX: NA6

DEP: 11 APR 83 CAPE MAY HYDRO DELAWARE BAY
ARR: 21 APR 83 CAPE MAY 10
AREA INDEX: NA6

DEP: 25 APR 83 CAPE MAY HYDRO DELAWARE BAY
ARR: 06 MAY 83 NORFOLK 11
AREA INDEX: NA6

DEP: 16 MAY 83 NORFOLK ENROUTE L. SUPERIOR
ARR: 26 MAY 83 DULUTH 10
AREA INDEX: NA6

DEP: 31 MAY 83 DULUTH HYDRO L. SUPERIOR
ARR: 10 JUN 83 DULUTH 10
AREA INDEX: NA6

DEP: 13 JUN 83 DULUTH HYDRO L. SUPERIOR
ARR: 24 JUN 83 DULUTH 11
AREA INDEX: NA6

DEP: 27 JUN 83 DULUTH HYDRO L. SUPERIOR
ARR: 01 JUL 83 DULUTH 4
AREA INDEX: NA6

| | | |
|---|---|---|
| DEP: 05 JUL 83 DULUTH<br>ARR: 14 JUL 83 DULUTH<br>AREA INDEX: NA6 | HYDRO L. SUPERIOR | 9 |
| DEP: 18 JUL 83 DULUTH<br>ARR: 29 JUL 83 DULUTH<br>AREA INDEX: NA6 | HYDRO L. SUPERIOR | 11 |
| DEP: 01 AUG 83 DULUTH<br>ARR: 12 AUG 83 DULUTH<br>AREA INDEX: NA6 | HYDRO L. SUPERIOR | 11 |
| DEP: 15 AUG 83 DULUTH<br>ARR: 26 AUG 83 DULUTH<br>AREA INDEX: NA6 | HYDRO L. SUPERIOR | 11 |
| DEP: 29 AUG 83 DULUTH<br>ARR: 02 SEP 83 DULUTH<br>AREA INDEX: NA6 | HYDRO L. SUPPERIOR | 4 |
| DEP: 06 SEP 83 DULUTH<br>ARR: 21 SEP 83 NORVA<br>AREA INDEX: NA6 | ENROUTE NORVA | 15 |
| DEP: 26 SEP 83 NORVA<br>ARR: 06 JAN 84 SHIPYARD<br>AREA INDEX: NA6 | SHIPYARD REHAB<br>2 SEA DAYS | 102 |

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POINT OF CONTACT INFORMATION

| | |
|---|---|
| SHIP NAME: | RAINIER |
| NAME: | CDR FREDDIE JEFFRIES |
| OFFICE: | CHIEF OPERATIONS DIVISION |
| ORGANIZATION: | NOAA PACIFIC MARINE CENTER |
| ADDRESS: | 1801 FAIRVIEW AVENUE E |
| CITY-STATE: | SEATTLE WA 98102 |
| FTS PREFIX: | 399 |
| COMMERCIAL AREA CODE: | 206 |
| PHONE: | 442-4548 |

SHIP DIMENSIONS

| | |
|---|---|
| LENGTH: | 231.0 FEET |
| MAX BEAM: | 42.0 FEET |
| DISPLACEMENT: | 1800 TONS |
| DRAUGHT: | 14.3 FEET |
| CRUISE SPEED: | 13.0 KNOTS |
| RANGE: | 7000 NAUTICAL MILES |

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RAINIER LAST CHANGED 03 DEC 82

OPS SCHEDULE FOR PERIOD
01 JAN 83 THRU 31 DEC 83

NOS NOAA

DEP: 24 MAR 83 SEATTLE BOCA DE QUADRA
ARR: 31 MAR 83 KETCHIKAN 7
AREA INDEX: NP9 NP6

DEP: 04 APR 83 KETCHIKAN BOCA DE QUADRA
ARR: 15 APR 83 KETCHIKAN 11
AREA INDEX: NP6

DEP: 19 APR 83 KETCHIKAN BOCA DE QUADRA
ARR: 29 APR 83 KETCHIKAN 10
AREA INDEX: NP6

DEP: 03 MAY 83 KETCHIKAN BOCA DE QUADRA
ARR: 13 MAY 83 KETCHIKAN 10
AREA INDEX: NP6

DEP: 17 MAY 83 KETCHIKAN COOK INLET
ARR: 27 MAY 83 HOMER 10
AREA INDEX: NP6

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POINT OF CONTACT INFORMATION

| | |
|---|---|
| SHIP NAME: | RESEARCHER |
| NAME: | CDR CARL FISHER |
| OFFICE: | CHIEF OPERATION DIVISION |
| ORGANIZATION: | NOAA ATLANTIC MARINE CENTER |
| ADDRESS: | 439 WEST YORK STREET |
| CITY-STATE: | NORFOLK VA 23510 |
| FTS PREFIX: | 827 |
| COMMERCIAL AREA CODE: | 804 |
| PHONE: | 441-6206 |

SHIP DIMENSIONS

| | |
|---|---|
| LENGTH: | 278.3 FEET |
| MAX BEAM: | 51.0 FEET |
| DISPLACEMENT: | 2963 TONS |
| DRAUGHT: | 18.3 FEET |
| CRUISE SPEED: | 12.5 KNOTS |
| RANGE: | 10800 NAUTICAL MILES |

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RESEARCHER LAST CHANGED 22 NOV 82

OPS SCHEDULE FOR PERIOD
01 JAN 83 THRU 31 DEC 83

ERL NOAA

| | | |
|---|---|---|
| DEP: 15 FEB 83 MIAMI | EPOCS | |
| ARR: 21 FEB 83 PANAMA | | 6 |
| AREA INDEX: NA9 NP13 | | |
| DEP: 21 FEB 83 PANAMA | EPOCS | |
| ARR: 11 MAR 83 CALLAO | | 18 |
| AREA INDEX: NP13 SP3A | | |
| DEP: 21 MAR 83 CALLAO | EPOCS | |
| ARR: 08 APR 83 PANAMA | | 18 |
| AREA INDEX: SP3A NP13 | | |
| DEP: 13 APR 83 PANAMA | EPOCS | |
| ARR: 10 MAY 83 PANAMA | | 27 |
| AREA INDEX: NP13 | | |
| DEP: 16 MAY 83 PANAMA | BIODOME | |
| ARR: 08 JUN 83 CALLAO | | 23 |
| AREA INDEX: NP13 SP3A | | |
| DEP: 13 JUN 83 CALLAO | ACID RAIN | |
| ARR: 04 JUL 83 PANAMA | | 21 |
| AREA INDEX: SP3A NP13 | | |
| DEP: 06 JUL 83 PANAMA | ENROUTE | |
| ARR: 11 JUL 83 MIAMI | | 5 |
| AREA INDEX: NP13 NA9 | | |

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POINT OF CONTACT INFORMATION

| | |
|---|---|
| SHIP NAME: | RUDE |
| NAME: | CDR CARL FISHER |
| OFFICE: | CHIEF OPERATION DIVISION |
| ORGANIZATION: | NOAA ATLANTIC MARINE CENTER |
| ADDRESS: | 439 WEST YORK STREET |
| CITY-STATE: | NORFOLK VA 23510 |
| FTS PREFIX: | 827 |
| COMMERCIAL AREA CODE: | 804 |
| PHONE: | 441-6206 |

SHIP DIMENSIONS

| | |
|---|---|
| LENGTH: | 90.0 FEET |
| MAX BEAM: | 22.0 FEET |
| DISPLACEMENT: | 220 TONS |
| DRAUGHT: | 7.2 FEET |
| CRUISE SPEED: | 10.0 KNOTS |
| RANGE: | 800 NAUTICAL MILES |

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RUDE LAST CHANGED 25 OCT 82

OPS SCHEDULE FOR PERIOD
01 JAN 83 THRU 31 DEC 83

NOS NOAA

DEP: 14 MAR 83 NORFOLK ENROUTE
ARR: 18 MAR 83 KEY WEST FL J6XX 4
AREA INDEX: NA6 NA9

DEP: 21 MAR 83 KEY WEST WIRE DRAG 75 SEA DAYS
ARR: 01 JUL 83 NORFOLK J6XX 102
AREA INDEX: NA9 NA6

DEP: 05 JUL 83 NORFOLK NEW ENGLAND DRAG
ARR: 30 SEP 83 TBA 70 DAS 87
AREA INDEX: NA6

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POINT OF CONTACT INFORMATION

| | |
|---|---|
| SHIP NAME: | SURVEYOR |
| NAME: | CDR FREDDIE JEFFRIES |
| OFFICE: | CHIEF OPERATIONS DIVISION |
| ORGANIZATION: | NOAA PACIFIC MARINE CENTER |
| ADDRESS: | 1801 FAIRVIEW AVENUE E |
| CITY-STATE: | SEATTLE WA 98102 |
| FTS PREFIX: | 399 |
| COMMERCIAL AREA CODE: | 206 |
| PHONE: | 442-4548 |

SHIP DIMENSIONS

| | |
|---|---|
| LENGTH: | 292.2 FEET |
| MAX BEAM: | 46.0 FEET |
| DISPLACEMENT: | 3440 TONS |
| DRAUGHT: | 19.5 FEET |
| CRUISE SPEED: | 15.0 KNOTS |
| RANGE: | 13680 NAUTICAL MILES |

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SURVEYOR LAST CHANGED 03 DEC 82

OPS SCHEDULE FOR PERIOD
01 JAN 83 THRU 31 DEC 83

ERL NOAA

DEP: 01 FEB 83 SEATTLE MARINE MAMMALS
ARR: 23 FEB 83 SAN DIEGO 22
AREA INDEX: NP9

DEP: 28 FEB 83 SAN DIEGO MARINE MAMMALS
ARR: 21 MAR 83 SEATTLE 21
AREA INDEX: NP9

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POINT OF CONTACT INFORMATION

| | |
|---|---|
| SHIP NAME: | WHITING |
| NAME: | CDR CARL FISHER |
| OFFICE: | CHIEF OPERATIONS DIVISION |
| ORGANIZATION: | NOAA ATLANTIC MARINE CENTER |
| ADDRESS: | 439 WEST YORK STREET |
| CITY-STATE: | NORFOLK VA 23510 |
| FTS PREFIX: | 827 |
| COMMERCIAL AREA CODE: | 804 |
| PHONE: | 441-6206 |

SHIP DIMENSIONS

| | |
|---|---|
| LENGTH: | 163.0 FEET |
| MAX BEAM: | 33.0 FEET |
| DISPLACEMENT: | 907 TONS |
| DRAUGHT: | 11.2 FEET |
| CRUISE SPEED: | 12.0 KNOTS |
| RANGE: | 5700 NAUTICAL MILES |

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WHITING — LAST CHANGED 22 NOV 82

OPS SCHEDULE FOR PERIOD
01 JAN 83 THRU 31 DEC 83

NOS — NOAA

| | | |
|---|---|---|
| DEP: 05 JAN 83 SHIPYARD<br>ARR: 07 JAN 83 NORFOLK<br>AREA INDEX: NA6 | ENROUTE TO NORFOLK<br>SHAKE DOWN | 2 |
| DEP: 08 FEB 83 NORFOLK<br>ARR: 12 FEB 83 PENSACOLA<br>AREA INDEX: NA6 NA9 | ENROUTE | 4 |
| DEP: 17 FEB 83 PENSACOLA<br>ARR: 25 FEB 83 PENSACOLA<br>AREA INDEX: NA9 | HYDRO FLA COAST<br>OPR J217 | 8 |
| DEP: 01 MAR 83 PENSACOLA<br>ARR: 11 MAR 83 PENSACOLA<br>AREA INDEX: NA9 | HYDRO FLA COAST<br>OPR J217 | 10 |
| DEP: 15 MAR 83 PENSACOLA<br>ARR: 18 MAR 83 PENSACOLA<br>AREA INDEX: NA9 | HYDRO FLA COAST<br>OOPR 217 | 3 |
| DEP: 22 MAR 83 PENSACOLA<br>ARR: 24 MAR 83 FREEPORT<br>AREA INDEX: NA9 | ENROUTE TO BAHAMAS | 2 |
| DEP: 29 MAR 83 FREEPORT<br>ARR: 08 APR 83 FREEPORT<br>AREA INDEX: NA9 | USN/BAHAMAS SURVEY | 10 |
| DEP: 12 APR 83 FREEPORT<br>ARR: 22 APR 83 FREEPORT<br>AREA INDEX: NA9 | USN/BAHAMAS SURVEY | 10 |
| DEP: 26 APR 83 FREEPORT<br>ARR: 06 MAY 83 FREEPORT<br>AREA INDEX: NA9 | USN/BAHAMAS SURVEY | 10 |

| | | |
|---|---|---|
| DEP: 10 MAY 83 FREEPORT<br>ARR: 20 MAY 83 FREEPORT<br>AREA INDEX: NA9 | USN/BAHAMAS SURVEY | 10 |
| DEP: 24 MAY 83 FREEPORT<br>ARR: 27 MAY 83 FREEPORT<br>AREA INDEX: NA9 | USN/BAHAMAS SURVEY | 3 |
| DEP: 01 JUN 83 FREEPORT<br>ARR: 03 JUN 83 NORFOLK<br>AREA INDEX: NA9 NA6 | ENROUTE | 2 |
| DEP: 08 JUN 83 NORFOLK<br>ARR: 17 JUN 83 NORFOLK<br>AREA INDEX: NA6 | SLUMP-DELMARVANC | 9 |
| DEP: 23 JUN 83 NORFOLK<br>ARR: 01 JUL 83 NORFOLK<br>AREA INDEX: NA6 | DELMARVANC<br>D103 | 9 |
| DEP: 06 JUL 83 NORFOLK<br>ARR: 15 JUL 83 NORFOLK<br>AREA INDEX: NA6 | DELMARVANC<br>D103 | 9 |
| DEP: 19 JUL 83 NORFOLK<br>ARR: 29 JUL 83 NORFOLK<br>AREA INDEX: NA6 | DELMARVANC<br>D103 | 10 |
| DEP: 02 AUG 83 NORFOLK<br>ARR: 12 AUG 83 NORFOLK<br>AREA INDEX: NA6 | DELMARVANC<br>D103 | 10 |
| DEP: 16 AUG 83 NORFOLK<br>ARR: 26 AUG 83 NORFOLK<br>AREA INDEX: NA6 | DELMARVANC<br>D103 | 10 |
| DEP: 29 AUG 83 NORFOLK<br>ARR: 02 SEP 83 NORFOLK<br>AREA INDEX: NA6 | DELMARVANC<br>D103 | 4 |
| DEP: 07 SEP 83 NORFOLK<br>ARR: 16 SEP 83 NORFOLK<br>AREA INDEX: NA6 | DELMARVANC<br>D103 | 9 |
| DEP: 20 SEP 83 NORFOLK<br>ARR: 30 SEP 83 NORFOLK<br>AREA INDEX: NA6 | DELMARVANC<br>D103 | 10 |

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POINT OF CONTACT INFORMATION

| | |
|---|---|
| SHIP NAME: | USNS S P LEE |
| NAME: | MR N TERENCE EDGAR |
| OFFICE: | CHIEF, OFFICE OF MARINE GEOLOGY |
| ORGANIZATION: | U. S. GEOLOGICAL SURVEY |
| ADDRESS: | |
| CITY-STATE: | RESTON VA 22092 |
| FTS PREFIX: | 928 |
| PHONE: | -7241 |

SHIP DIMENSIONS

| | |
|---|---|
| LENGTH: | 208.3 FEET |
| MAX BEAM: | 39.0 FEET |
| DISPLACEMENT: | 1338 TONS |
| DRAUGHT: | 14.2 FEET |
| CRUISE SPEED: | 11.6 KNOTS |
| RANGE: | 12000 NAUTICAL MILES |

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USNS S P LEE LAST CHANGED 14 DEC 82

OPS SCHEDULE FOR PERIOD
01 JAN 83 THRU 31 DEC 83

OCEANOGRAPHIC RESEARCH USGS

DEP: 01 JAN 83 REDWOOD CITY, CA NO OPERATIONS FUNDED FOR 1983
ARR: 31 DEC 83 REDWOOD CITY, CA CALL POC FOR AVAILABILITY 365
AREA INDEX: NP9
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## ANTELOPE

### POINT OF CONTACT INFORMATION

| | |
|---|---|
| POC: | EDWARD MCLEAN |
| POC OFFICE: | PM-214 |
| POC ORGANIZATION: | ENVIRONMENTAL PROTECTION AGENCY |
| POC ADDRESS: | 401 M STREET, SW |
| POC CITY/STATE: | WASHINGTON DC 20460 |
| FTS PREFIX: | 382 |
| COMMERCIAL AREA CODE: | 202 |
| PHONE: | 382-7603 |

### ADMINISTRATIVE DETAILS

| | |
|---|---|
| DESIGNATOR: | OSV |
| CLASS: | EX USN PATROL GUNBOAT |
| CALL SIGN (INTERNATIONAL): | - |
| FLEET: | CIVIL |
| SHIP TYPE: | OCEAN SURVEY-GENERAL |
| SHIP OWNER: | EPA |
| CERTIFICATION AUTHORITY: | - |
| FLAG REGISTRY: | USA |
| HOME PORT: | ANNAPOLIS MD USA |
| TECHNICAL SPONSOR: | EPA |
| OPERATIONS CONTROL: | EPA |
| CONTRACTUAL INFORMATION: | ON EPA CONTRACT, TIME AVAILABLE, CALL POC |
| OPERATING COST/DAY: | 3.9/82 THOUSAND $'S |
| SCIENTIFIC COMPLEMENT: | 17 |
| NUMBER OFFICERS: | 3 |
| NUMBER IN CREW: | 10 |
| MAX SEA STATE: | 4 BEAUFORT SCALE |
| ENDURANCE: | 17 DAY(S) |
| LIMITING FACTOR: | WATER |
| BUILDER: | TAKOMA BOATBUILDING CO. |
| WHERE BUILT: | TAKOMA WA USA |
| INITIAL COST: | - |
| DUE DATE: | - |
| KEEL DATE: | - |
| LAUNCH DATE: | 00 JUN 66 |
| DELIVERY DATE: | - |
| COMMISSION DATE: | 00 NOV 67 |
| CONVERSION DATE: | 00 JAN 79 |
| LAST OVERHAUL: | 03 JAN 80 |
| MAINTENANCE CYCLE: | 1.0 YEARS |
| END OF LIFE: | 1990 |
| UPDATE OF INFORMATION: | 05 NOV 82 |

### SHIP DIMENSIONS

| | |
|---|---|
| LENGTH: | 165.0 FEET |
| MAX BEAM: | 24.0 FEET |
| HEIGHT: | 59.0 FEET |
| GROSS TONNAGE: | - |
| DISPLACEMENT: | 225 TONS |
| DRAUGHT: | 10.5 FEET |
| CRUISE SPEED: | 12.0 KNOTS |
| RANGE: | 2448 NAUTICAL MILES |
| MAX SPEED: | 15.0 KNOTS |
| MIN SPEED: | 2.0 KNOTS |

ENGINEERING/DECK EQUIPMENT

| | |
|---|---|
| MAIN PROPULSION: | DIESEL GEARED |
| AUXILIARY PROPULSION: | BOW THRUSTER |
| NUMBER OF SHAFTS: | 2 |
| FUEL TYPE: | 2 DIESEL/JP-5 |
| BOW THRUSTER: | WATER JET |
| ACTIVE RUDDER: | Y |
| DYNAMIC POSITIONING: | Y |
| ANTI-ROLL: | Y |
| STABILIZER: | Y |
| DEEP ANCHOR: | YES FEET |
| BERTHING VAN DIMENSIONS: | N |
| INSTRUMENT VAN DIMENSIONS: | N |
| WET-LAB: | Y |
| DRY-LAB: | Y |
| AMMUNITION STORAGE: | N |
| HELO SUPPORT: | N |
| METEOROLOGICAL OBSERVATIONS: | N |
| UTILITY BOATS: | |
| 1. 12 FOOT RUBBER INFLATABLE | |
| A, U, OR L FRAMES | |
| MAX HOIST CAPACITY: | POUNDS |
| NUMBER OF FRAMES: | 0 |
| CRANES OR BOOMS | |
| MAX HOIST CAPACITY: | 1500 POUNDS |
| NUMBER OF CRANES: | 1 |
| WINCHES: | |
| 01. MAJOR TYPE/USE: | TRAWL |
| SECONDARY TYPE/USE: | DREDGE |
| SLIP-RINGS: | Y |
| TYPE WIRE: | WIRE ROPE |
| WIRE LENGTH: | 3000 FEET |
| WIRE DIAMETER: | 0.375 INCHES |
| 02. MAJOR TYPE/USE: | OCEANOGRAPHIC |
| SECONDARY TYPE/USE: | UNKNOWN |
| SLIP-RINGS: | Y |
| TYPE WIRE: | CONDUCTOR CABLE |
| WIRE LENGTH: | 2000 FEET |
| WIRE DIAMETER: | 0.250 INCHES |

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ELECTRONIC EQUIPMENT

| | |
|---|---|
| COMPUTERS: | PDP-8 |
| FACSIMILE: | Y |
| ELECTROMAGNETIC LOG: | Y |
| INERTIAL NAVIGATION: | N |
| RADAR (SURFACE SCAN): | Y |
| LORAN A: | N |
| LORAN C: | Y |
| OMEGA: | N |
| SATELLITE NAVIGATION: | N |
| RADIO TELETYPE COMMUNICATION: | N |
| SINGLE SIDE BAND: | Y |
| VHF COMMUNICATIONS: | Y |
| STABLE TABLE: | Y |
| NARROW BEAM: | N |
| SEISMIC PROFILING: | N |
| SIDE SCAN: | N |
| SOUNDING SYSTEM (SHALLOW): | DATAMARINE 2700 |
| SOUNDING SYSTEM (DEEP): | RAYTHEON |

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POINT OF CONTACT INFORMATION

| | |
|---|---|
| SHIP NAME: | ANTELOPE |
| NAME: | T A WASTLER |
| OFFICE: | CHIEF MARINE PROTECTION BRANCH WH-548 |
| ORGANIZATION: | ENVIRONMENTAL PROTECTION AGENCY |
| ADDRESS: | 401 M STREET, SW |
| CITY-STATE: | WASHINGTON DC 20460 |
| FTS PREFIX: | 755 |
| COMMERCIAL AREA CODE: | 202 |
| PHONE: | 755-0356 |

SHIP DIMENSIONS

| | |
|---|---|
| LENGTH: | 165.0 FEET |
| MAX BEAM: | 24.0 FEET |
| DISPLACEMENT: | 225 TONS |
| DRAUGHT: | 10.5 FEET |
| CRUISE SPEED: | 12.0 KNOTS |
| RANGE: | 2448 NAUTICAL MILES |

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ANTELOPE LAST CHANGED 10 NOV 82

OPS SCHEDULE FOR PERIOD
01 JAN 83 THRU 31 DEC 83

OCEANOGRAPHIC RESEARCH EPA

DEP: 01 JAN 83 ANNAPOLIS, MD CRUISES ON EAST COAST & GULF OF MX.
ARR: 31 DEC 83 ANNAPOLIS, MD POC FOR DETAILS & AVAILABILITY 364
AREA INDEX: NA6 NA9

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OPEN (UNOBLIGATED) OCEANOGRAPHIC SHIP TIME

**********

OCEAN-AREA: OPEN
FROM 01 JAN 83 THRU 31 DEC 83

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**** CAYUSE ****

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DEP: 28 MAR 83 MOSS LANDING, CA OPEN
ARR: 15 APR 83 MOSS LANDING, CA 19 DAY(S)

DEP: 18 APR 83 MOSS LANDING, CA OPEN
ARR: 30 APR 83 MOSS LANDING, CA 13 DAY(S)

DEP: 26 SEP 83 MOSS LANDING, CA OPEN
ARR: 30 SEP 83 MOSS LANDING, CA 5 DAY(S)

DEP: 17 OCT 83 MOSS LANDING, CA OPEN
ARR: 04 NOV 83 MOSS LANDING, CA 18 DAY(S)

DEP: 15 NOV 83 MOSS LANDING, CA OPEN
ARR: 31 DEC 83 MOSS LANDING, CA 46 DAY(S)

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**** FRED H MOORE ****

.....

DEP: 10 JAN 83 GALVESTON, TX OPEN
ARR: 14 JAN 83 GALVESTON, TX 4 DAY(S)

DEP: 07 FEB 83 GALVESTON, TX OPEN
ARR: 14 FEB 83 GALVESTON, TX 7 DAY(S)

DEP: 16 MAR 83 GALVESTON, TX OPEN
ARR: 30 APR 83 GALVESTON, TX 45 DAY(S)

DEP: 01 JUL 83 GALVESTON, TX OPEN
ARR: 14 AUG 83 GALVESTON, TX 44 DAY(S)

DEP: 01 OCT 83 GALVESTON, TX OPEN
ARR: 22 DEC 83 GALVESTON, TX 82 DAY(S)

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**** IDA GREEN ****

.....

DEP: 03 JAN 83 GALVESTON, TX OPEN
ARR: 07 MAR 83 GALVESTON, TX 63 DAY(S)

DEP: 15 MAR 83 GALVESTON, TX OPEN
ARR: 31 MAR 83 GALVESTON, TX 16 DAY(S)

OPEN (UNOBLIGATED) OCEANOGRAPHIC SHIP TIME
(CONTINUED)

DEP: 01 MAY 83 GALVESTON, TX OPEN
ARR: 23 MAY 83 GALVESTON, TX 22 DAY(S)

DEP: 01 JUN 83 GALVESTON, TX OPEN
ARR: 22 DEC 83 GALVESTON, TX 204 DAY(S)

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**** KANA KEOKI ****

.....

DEP: 06 DEC 83 HONOLULU, HI OPEN
ARR: 31 DEC 83 HONOLULU, HI 25 DAY(S)

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**** NEW HORIZON ****

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DEP: 01 MAR 83 SAN DIEGO, CA OPEN
ARR: 13 MAR 83 SAN DIEGO, CA 12 DAY(S)

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**** OCEANUS ****

.....

DEP: 01 DEC 83 WOODS HOLE OPEN
ARR: 16 DEC 83 WOODS HOLE 15 DAY(S)

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**** THOMAS G THOMPSON ****

.....

DEP: 01 MAY 83 SEATTLE, WA OPEN
ARR: 30 MAY 83 SEATTLE, WA 29 DAY(S)

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**** VELERO IV ****

.....

DEP: 03 JAN 83 WILMINGTON, CA OPEN
ARR: 11 MAR 83 WILMINGTON, CA 68 DAY(S)

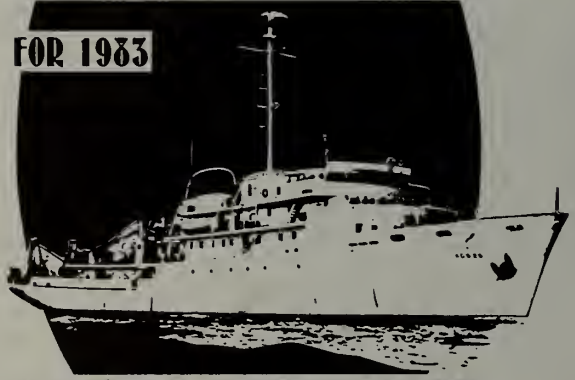
DEP: 31 MAR 83 WILMINGTON, CA OPEN
ARR: 31 MAR 83 WILMINGTON, CA 1 DAY(S)

DEP: 20 JUN 83 WILMINGTON, CA OPEN
ARR: 15 JUL 83 WILMINGTON, CA 26 DAY(S)

DEP: 15 AUG 83 WILMINGTON, CA OPEN
ARR: 26 AUG 83 WILMINGTON, CA 12 DAY(S)

DEP: 21 SEP 83 WILMINGTON, CA OPEN
ARR: 04 NOV 83 WILMINGTON, CA 45 DAY(S)

# NATIONAL OCEANOGRAPHIC FLEET
# OPERATING SCHEDULES
## FOR 1983



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